

# Index to volume 181

## Author index\*

### A

- Ablin A (see Cushing et al). 1999;181:353-8
- Aboulghar MA, Mansour RT, Serour GI, Amin Y, Ramzy A-M, Sattar MA, Kamal A. Management of long-standing unexplained infertility: a prospective study. 1999;181:371-5
- Abramovici D, Goldwasser S, Mabie BC, Mercer BM, Goldwasser R, Sibai BM. A randomized comparison of oral misoprostol versus Foley catheter and oxytocin for induction of labor at term. 1999;181:1108-12
- Abramovici H (see Lissak et al). 1999;181:126-30
- Achiron R (see Evans et al). 1999;181:893-7
- Adair CD (see Lewis et al). 1999;181:1495-9
- Addison WA (see Barber et al). 1999;181:87-90
- Agosta R (see Buonocore et al). 1999;181:1500-5
- Agrez M, Gu X, Giles W. Matrix metalloproteinase 9 activity in urine of patients at risk for premature delivery. 1999;181:387-8
- Alexander C, Villena-Heinsen CE, Schaefer A, Toth L, Schmidt W, Kirsch C-M. Monoclonal antibody MAb-170 for immunoscintigraphic detection of ovarian tumors. 1999;181:513-7
- Alexander D (see McNellis and Alexander). 1999;181:221-5 (Education)
- Al-Hendy A. Enriching research culture in residency. 1999;181:1271 (Letter)
- Allan LD. Atrioventricular septal defect in the fetus. 1999;181:1250-3
- Allanson A (see Marteau et al). 1999;181:165-9
- Allen M (see Quintero et al). 1999;181:744-9
- Allen RH. Brachial plexus palsy: an in utero injury? 1999;181:1271-2 (Letter)
- Allen SR (see Lamar et al). 1999;181:1154-7
- Allred EN (see Leviton et al). 1999;181:1007-17
- Althabe F (see Conde-Agudelo et al). 1999;181:1026-35 (AJOG reviews)
- Alvarez-Sanchez F (see Nash et al). 1999;181:1400-6
- Amaye-Obu FA, Drutz HP. Surgical management of recurrent stress urinary incontinence: a 12-year experience. 1999;181:1296-309
- Amin Y (see Aboulghar et al). 1999;181:371-5
- Ananth CV (see Canterino et al). 1999;181:1049-51
- Andersen RN (see Egerman et al). 1999;181:921-3
- Andres RL, Saade G, Gilstrap LC, Wilkins I, Witlin A, Zlatnik F, Hankins GV. Association between umbilical blood gas parameters and neonatal morbidity and death in neonates with pathologic fetal acidemia. 1999;181:867-71
- Andrews WW (see Richter et al). 1999;181:940-4
- Angel JL, Kalter CS, Morales WJ, Rasmussen C, Caron L. Aggressive perinatal care for high-order multiple gestations: does good perinatal outcome justify aggressive assisted reproductive techniques? 1999;181:253-9
- Angioli R (see Mirhashemi et al). 1999;181:1310-6

- Ankum WM (see Mol et al). 1999;181:945-51
- Ansbacher R. Selective estrogen receptor modulators. 1999;181:1036 (Letter)
- Anthony J (see Natarajan et al). 1999;181:1203-10
- Anumba DOC, Ford GA, Boys RJ, Robson SC. Stimulated nitric oxide release and nitric oxide sensitivity in forearm arterial vasculature during normotensive and preeclamptic pregnancy. 1999;181:1479-85
- Anwar MA, Docherty C, Poston L, Nathanielsz PW. A comparative study of vascular responsiveness of myometrial and omental small resistance arteries in late-gestation sheep. 1999;181:663-8
- Aquilina J, Barnett A, Thompson O, Harrington K. Second-trimester maternal serum inhibin A concentration as an early marker for preeclampsia. 1999;181:131-6
- Araneda H (see Athayde et al). 1999;181:989-94
- Archer DF. Leading the shift to 20 µg. 1999;181:S37-8 (Guest editorial)
- Archer DF, Maheux R, DelConte A, O'Brien FB, North American Levonorgestrel Study Group. Efficacy and safety of a low-dose monophasic combination oral contraceptive containing 100 µg levonorgestrel and 20 µg ethinyl estradiol (Alesse). 1999;181:S39-44
- Archer DF, Mammen EF, Grubb GS. The effects of a low-dose monophasic preparation of levonorgestrel and ethinyl estradiol on coagulation and other hemostatic factors. 1999;181:S63-6
- Archer DF (see Utian et al). 1999;181:71-9
- Archibold E (see Emory et al). 1999;181:S2-11 (Symposium)
- Areias JC (see Montenegro et al). 1999;181:1042-3 (Letter)
- Arky L (see Rodis et al). 1999;181:1128-32
- Arndt PA (see Garratty et al). 1999;181:103-4
- Arnott N (see Khan et al). 1999;181:112-5
- Arroyo J (see Quintero et al). 1999;181:744-9
- Asrat T (see Tewari et al). 1999;181:757-8
- Asrat T (see Towers et al). 1999;181:1197-202
- Asrat T (see Towers et al). 1999;181:1243-9
- Athayde N, Romero R, Maymon E, Gomez R, Pacora P, Araneda H, Yoon BH. A role for the novel cytokine RANTES in pregnancy and parturition. 1999;181:989-94
- Attilano LC, Lee-Parritz A, Lieberman E, Cohen AP, Barbieri RL. Alternative methods of diagnosing gestational diabetes mellitus. 1999;181:1158-61
- Attie C (see Rey et al). 1999;181:202-6
- Averette HE (see Mirhashemi et al). 1999;181:1310-6
- Avila C (see Dayal et al). 1999;181:1231-6
- Avni M (see Luke et al). 1999;181:1172-9
- Ayoub MA (see Evans et al). 1999;181:893-7
- Azziz R (see Moran et al). 1999;181:596-600

### B

- Babinszki A, Kerenyi T, Torok O, Grazi V, Lapinski RH, Berkowitz RL. Perinatal outcome in grand and great-grand multiparity: effects of parity on obstetric risk factors. 1999;181:669-74

\*July, 1-234, S1-S36; August, 235-512; September, 513-772; October, 773-1044; November, part 1, 1045-1278; part 2, S37-S66; December, 1279-1650.

- Bahado-Singh R, Oz U, Rinne K, Hunter D, Cole L, Mahoney MJ, Baumgarten A. Elevated maternal urine level of  $\beta$ -core fragment of human chorionic gonadotropin versus serum triple test in the second-trimester detection of Down syndrome. 1999;181:929-33
- Baldassare JJ (see Belt et al). 1999;181:359-66
- Ballard PL (see Banks et al). 1999;181:709-17
- Ballard RA (see Banks et al). 1999;181:709-17
- Bam RH (see Boomgaard et al). 1999;181:964-7
- Ban Z, Rigo J Jr, Nagy B. Unusual cases of severe thrombotic episodes during the peripartum period. 1999;181:1040-1 (Letter)
- Banks BA, Cnaan A, Morgan MA, Parer JT, Merrill JD, Ballard PL, Ballard RA, North American Thyrotropin-Releasing Hormone Study Group. Multiple courses of antenatal corticosteroids and outcome of premature neonates. 1999;181:709-17
- Baranyai J (see Farquhar et al). 1999;181:525-9
- Barber MD, Cundiff GW, Weidner AC, Coates KW, Bump RC, Addison WA. Accuracy of clinical assessment of paravaginal defects in women with anterior vaginal wall prolapse. 1999;181:87-90
- Barber WH (see Rinehart et al). 1999;181:915-20
- Barbera A, Galan HL, Ferrazzi E, Rigano S, Józwick M, Battaglia FC, Pardi G. Relationship of umbilical vein blood flow to growth parameters in the human fetus. 1999;181:174-9
- Barbieri RL (see Atilano et al). 1999;181:1158-61
- Barisani D (see Quadri et al). 1999;181:12-8
- Barnett A (see Aquilina et al). 1999;181:131-6
- Barrilleaux PS (see Lewis et al). 1999;181:1495-9
- Baschat AA, Gembruch U, Reiss I, Gortner L, Harman CR, Weiner CP. Neonatal nucleated red blood cell counts in growth-restricted fetuses: relationship to arterial and venous Doppler studies. 1999;181:190-5
- Battafarano S (see Falcinelli et al). 1999;181:675-80
- Battaglia FC (see Barbera et al). 1999;181:174-9
- Battaglia FC (see Galan et al). 1999;181:1149-53
- Battaglia FC (see Ronzoni et al). 1999;181:477-83
- Baumgarten A (see Bahado-Singh et al). 1999;181:929-33
- Baumgartner BJ (see Baumgartner et al). 1999;181:848-52
- Baumgartner TL, Baumgartner BJ, Hudon L, Moise KJ Jr. Ultrasonographically guided direct gene transfer in utero: successful induction of  $\beta$ -galactosidase in a rabbit model. 1999;181:848-52
- Bayorh M (see Emory et al). 1999;181:S2-11 (Symposium)
- Beazley DD (see Mercer et al). 1999;181:816-21
- Becquart D (see van Dam et al). 1999;181:536-41
- Behets F (see Sutton et al). 1999;181:656-62
- Bekaert A (see Dhont et al). 1999;181:688-95
- Bekir J (see Engmann et al). 1999;181:576-82
- Belfort MA, Saade GR, Yared M, Grunewald C, Herd JA, Varner MA, Nisell H. Change in estimated cerebral perfusion pressure after treatment with nimodipine or magnesium sulfate in patients with preeclampsia. 1999;181:402-7
- Belizán JM (see Conde-Agudelo et al). 1999;181:1026-35 (AJOG reviews)
- Belloni C (see Quadri et al). 1999;181:12-8
- Belt AR, Baldassare JJ, Molnár M, Romero R, Hertelendy F. The nuclear transcription factor NF- $\kappa$ B mediates interleukin-1 $\beta$ -induced expression of cyclooxygenase-2 in human myometrial cells. 1999;181:359-66
- Bemis-Heys R (see Ross et al). 1999;181:835-42
- Benito C (see Guzman et al). 1999;181:793-7
- Bennet L (see Westgate et al). 1999;181:765-6
- Bennett WA (see Rinehart et al). 1999;181:915-20
- Bentolila E (see Polcaro et al). 1999;181:80-6
- Berk DJ (see Dayal et al). 1999;181:1231-6
- Berghella V, Daly SF, Tolosa JE, DiVito MM, Chalmers R, Garg N, Bhullar A, Wapner RJ. Prediction of preterm delivery with transvaginal ultrasonography of the cervix in patients with high-risk pregnancies: does cerclage prevent prematurity? 1999;181:809-15
- Berkowitz RL (see Babinszki et al). 1999;181:669-74
- Berkowitz RL (see Evans et al). 1999;181:893-7
- Berman ML (see Tewari et al). 1999;181:91-8
- Bernstein IM, Catalano P. Determinants of abdominal circumference. 1999;181:1038 (Letter)
- Bertina RM (see De Groot et al). 1999;181:975-80
- Bhullar A (see Berghella et al). 1999;181:809-15
- Bianchi DW (see Sekizawa et al). 1999;181:1237-42
- Bisits A (see McLean et al). 1999;181:207-15
- Bitterman P (see FitzGerald et al). 1999;181:1339-46
- Bizzaro N, May-Hegglin anomaly and uncomplicated vaginal delivery: a report of 41 cases. 1999;181:226-7 (Letter)
- Blackwell SC (see Hallak et al). 1999;181:1122-7
- Bland DR, Earle BB, Vitols MZ, Burke G. Use of the Pelvic Organ Prolapse staging system of the International Continence Society, American Urogynecologic Society, and Society of Gynecologic Surgeons in perimenopausal women. 1999;181:1324-8
- Blennow M (see Kruger et al). 1999;181:1072-8
- Bloch M, Carr A, Vasak E, Cunningham P, Smith D. The use of human immunodeficiency virus postexposure prophylaxis after successful artificial insemination. 1999;181:760-1
- Block WA Jr, Draper ML, Rose JC, Schwartz J. Maturation of cortisol responses to adrenocorticotrophic hormone in twin fetal sheep in vivo. 1999;181:498-502
- Bloemenkamp KWM (see De Groot et al). 1999;181:975-80
- Boardman LA, Peipert JF, Hogan JW, Cooper AS. Positive cone biopsy specimen margins in women infected with the human immunodeficiency virus. 1999;181:1395-9
- Bocking AD (see Jeffray et al). 1999;181:1546-51
- Boehm FH (see Bruner et al). 1999;181:1188-91
- Boehm FH (see Kang and Boehm). 1999;181:1042 (Letter reply)
- Bohmer JT, Schemmer G, Harrison FNH Jr, Kreft W, Elliot M. Cervical wet mount as a negative predictor for gonococci- and *Chlamydia trachomatis*-induced cervicitis in a gravid population. 1999;181:283-7
- Bond T (see Foster et al). 1999;181:S32-6 (Symposium)
- Bonin A (see Rey et al). 1999;181:202-6
- Boomgaard JJ, Dekker KS, van Rensburg E, van den Berg C, Niemand I, Bam RH, Cronjé HS. Vaginitis, cervicitis, and cervical length in pregnancy. 1999;181:964-7
- Boots L (see Wenstrom et al). 1999;181:887-92
- Boots LR (see Moran et al). 1999;181:596-600
- Boots RJ (see Lust et al). 1999;181:419-23
- Borgida AF (see Feldman et al). 1999;181:1185-7
- Borgida AF (see Rodis et al). 1999;181:1128-32
- Bornick P (see Morales et al). 1999;181:310-4
- Bornick PW (see Quintero et al). 1999;181:744-9
- Borrell A, Fortuny A. Ductus venosus blood flow evaluation: its importance in the screening of chromosomal abnormalities. 1999;181:1043 (Letter reply)
- Bossuyt PMM (see Mol et al). 1999;181:945-51
- Bourne TH (see Timmerman et al). 1999;181:57-65
- Bouvet AA (see Utian et al). 1999;181:71-9
- Bowers D, Raybon RB, Wheelerless CR Jr. Hyaluronic acid-carboxymethylcellulose film and perianastomotic adhesions in previously irradiated rats. 1999;181:1335-8
- Boyett RL (see Utian et al). 1999;181:71-9
- Boys RJ (see Anumba et al). 1999;181:1479-85

- Bracci R (*see* Buonocore et al). 1999;181:1500-5  
 Brace RA (*see* Sohl and Brace). 1999;181:1552-9  
 Bracero LA, Morgan S, Byrne DW. Comparison of visual and computerized interpretation of nonstress test results in a randomized controlled trial. 1999;181:1254-8  
 Brain PH (*see* Ravasia et al). 1999;181:877-81  
 Brambati B (*see* Evans et al). 1999;181:893-7  
 Branch DW (*see* Lee et al). 1999;181:642-8  
 Brennecke SP (*see* Parkington et al). 1999;181:1445-51  
 Brinton L (*see* Olsen et al). 1999;181:630-4  
 Brizzi P, Tonolo G, Esposito F, Puddu L, Dessole S, Maioli M, Milia S. Lipoprotein metabolism during normal pregnancy. 1999;181:430-4  
 Bronsteen R (*see* Schwartz et al). 1999;181:912-4  
 Brost BC, Scardo JA, Newman RB, Van Dorsten JP. Effect of fetal presentation on the amniotic fluid index. 1999;181:1222-4  
 Brost BC (*see* Roop and Brost). 1999;181:752-3  
 Brown CE, Stettler RW, Twickler D, Cunningham FG. Puerperal septic pelvic thrombophlebitis: incidence and response to heparin therapy. 1999;181:143-8  
 Brubaker L (*see* FitzGerald et al). 1999;181:1339-46  
 Brubaker L (*see* Kenton et al). 1999;181:1360-4  
 Brunbauer M (*see* Leitich et al). 1999;181:1465-72  
 Bruner JP, Boehm FH, Tulipan N. The Tulipan-Bruner trocar for uterine entry during fetal surgery. 1999;181:1188-91  
 Buchanan TA (*see* Sacks et al). 1999;181:904-11  
 Buchsbaum GM (*see* Stevenson et al). 1999;181:35-8  
 Budorick NE (*see* Sohl et al). 1999;181:898-903  
 Buhimschi CS, Gokdeniz R, Saade GR, Buhimschi IA, Garfield RE. The effect of chronic nitric oxide synthase inhibition on blood pressure and heart rate in unrestrained pregnant rats as recorded by radiotelemetry. 1999;181:159-64  
 Buhimschi I (*see* Olson et al). 1999;181:638-41  
 Buhimschi IA (*see* Buhimschi et al). 1999;181:159-64  
 Bukusi EA, Cohen CR, Stevens CE, Sinei S, Reilly M, Grieco V, Eschenbach DA, Holmes KK, Bwayo J, Ndinya-Achola JO, Kreiss J. Effects of human immunodeficiency virus 1 infection on microbial origins of pelvic inflammatory disease and on efficacy of ambulatory oral therapy. 1999;181:1374-81  
 Bump RC (*see* Barber et al). 1999;181:87-90  
 Bump RC (*see* Visco et al). 1999;181:1392-4  
 Buonocore G, Perrone S, Gioia D, Gatti MG, Massafra C, Agosta R, Bracci R. Nucleated red blood cell count at birth as an index of perinatal brain damage. 1999;181:1500-5  
 Burke G (*see* Bland et al). 1999;181:1324-8  
 Burkett G (*see* Diro et al). 1999;181:247-52  
 Burkett G (*see* Gilles et al). 1999;181:226 (Letter)  
 Burkman RT (*see* Dardano and Burkman). 1999;181:1-5 (Clin. opinion)  
 Burry KA (*see* Utian et al). 1999;181:71-9  
 Burton GJ, Jauniaux E, Watson AL. Maternal arterial connections to the placental intervillous space during the first trimester of human pregnancy: the Boyd Collection revisited. 1999;181:718-24  
 Büscher U (*see* Chen et al). 1999;181:1461-4  
 Buytaert P (*see* van Dam et al). 1999;181:536-41  
 Bwayo J (*see* Bukusi et al). 1999;181:1374-81  
 Byrne DW (*see* Bracero et al). 1999;181:1254-8

C

- Campa JS (*see* Lakasing et al). 1999;181:180-9  
 Campbell DF (*see* Monga et al). 1999;181:424-9  
 Campbell WA (*see* Rodis et al). 1999;181:1128-32

- Canino NL (*see* Miller et al). 1999;181:952-7  
 Canterino JC, VanHorn LG, Harrigan JT, Ananth CV, Vintzileos AM. Domestic abuse in pregnancy: a comparison of a self-completed domestic abuse questionnaire with a directed interview. 1999;181:1049-51  
 Cappuccini F (*see* Tewari et al). 1999;181:91-8  
 Caritis S (*see* Hogg et al). 1999;181:1096-101  
 Caritis SN (*see* Mercer et al). 1999;181:1216-21  
 Caron L (*see* Angel et al). 1999;181:253-9  
 Carr A (*see* Bloch et al). 1999;181:760-1  
 Carr DB, Clark AL, Kernek K, Spinnato JA. Maintenance of oral nifedipine for preterm labor: a randomized clinical trial. 1999;181:822-7  
 Carr TL (*see* Mercer et al). 1999;181:816-21  
 Caruso A, Ferrazzani S, Paradisi G. Insulin resistance and preeclampsia: is there a relationship? 1999;181:768-9 (Letter)  
 Casele HL, Laifer SA, Woelkers DA, Venkataraman R. Changes in the pharmacokinetics of the low-molecular-weight heparin enoxaparin sodium during pregnancy. 1999;181:1113-7  
 Castleberry RP (*see* Cushing et al). 1999;181:353-8  
 Castro L (*see* Panting-Kemp et al). 1999;181:1079-82  
 Castro MA, Fassett MJ, Reynolds TB, Shaw KJ, Goodwin TM. Reversible peripartum liver failure: a new perspective on the diagnosis, treatment, and cause of acute fatty liver of pregnancy, based on 28 consecutive cases. 1999;181:389-95  
 Catalano P (*see* Bernstein and Catalano). 1999;181:1038 (Letter)  
 Catalano PM, Joffe GM, Levine RJ. Insulin resistance and preeclampsia: is there a relationship? 1999;181:769 (Letter reply)  
 Cathcart S (*see* Foster et al). 1999;181:S32-6 (Symposium)  
 Caughey AB, Shipp TD, Repke JT, Zelop CM, Cohen A, Lieberman E. Rate of uterine rupture during a trial of labor in women with one or two prior cesarean deliveries. 1999;181:872-6  
 Caughey AB (*see* Zelop et al). 1999;181:882-6  
 Cetin I (*see* Ronzoni et al). 1999;181:477-83  
 Chadha-Boreham HK (*see* Utian et al). 1999;181:71-9  
 Challis JRG (*see* Jeffray et al). 1999;181:1546-51  
 Chalmers R (*see* Berghella et al). 1999;181:809-15  
 Chang E (*see* Panting-Kemp et al). 1999;181:1079-82  
 Chang S-Y (*see* Kung and Chang). 1999;181:1438-44  
 Chap H (*see* Kaczan-Bourgeois et al). 1999;181:1273 (Letter)  
 Chapple H (*see* Finnerty et al). 1999;181:296-303  
 Chase E (*see* Peipert et al). 1999;181:435-9  
 Chasedunn-Roark J (*see* Vermillion et al). 1999;181:320-7  
 Chasen ST, Madden A, Chervenak FA. Cesarean delivery of twins and neonatal respiratory disorders. 1999;181:1052-6  
 Chauhan SP, Sanderson M, Hendrix NW, Magann EF, Devoe LD. Perinatal outcome and amniotic fluid index in the antepartum and intrapartum periods: a meta-analysis. 1999;181:1473-8  
 Chauhan SP (*see* Scardo et al). 1999;181:862-6  
 Chauhan SP (*see* Vermillion et al). 1999;181:858-61  
 Chen FC-K, von Dehn D, Büscher U, Dudenhausen JW, Niggemann B. Atopy, the use of condoms, and a history of cesarean delivery: potential predisposing factors for latex sensitization in pregnant women. 1999;181:1461-4  
 Chen W (*see* Sacks et al). 1999;181:904-11  
 Cherry M (*see* Yaron et al). 1999;181:968-74  
 Chervenak FA (*see* Chasen et al). 1999;181:1052-6  
 Chescheir NC (*see* Marx et al). 1999;181:1125-30  
 Chien PFW (*see* Khan et al). 1999;181:112-5  
 Chien PFW (*see* Khan et al). 1999;181:503-7 (Education)  
 Chisholm CA (*see* Finnerty et al). 1999;181:296-303  
 Cho K (*see* Matsuda et al). 1999;181:725-30  
 Cholhan HJ (*see* Stevenson et al). 1999;181:35-8

- Chou H-H (*see* Wang et al). 1999;181:518-24  
 Christensen HD (*see* Coleman et al). 1999;181:1166-71  
 Chu DC (*see* Wenstrom et al). 1999;181:887-92  
 Church JM (*see* Weber et al). 1999;181:530-5  
 Chwalisz K (*see* Okawa et al). 1999;181:649-55  
 Chwalisz K (*see* Olson et al). 1999;181:638-41  
 Chwalisz K (*see* Syal et al). 1999;181:415-8  
 Clark AL (*see* Carr et al). 1999;181:822-7  
 Cliver SP (*see* Wenstrom et al). 1999;181:789-92  
 Cnaan A (*see* Banks et al). 1999;181:709-17  
 Coates KW (*see* Barber et al). 1999;181:87-90  
 Cohen A (*see* Caughey et al). 1999;181:872-6  
 Cohen A (*see* Zelop et al). 1999;181:882-6  
 Cohen AP (*see* Atilano et al). 1999;181:1158-61  
 Cohen AP (*see* Robinson et al). 1999;181:1180-4  
 Cohen CR (*see* Bukusi et al). 1999;181:1374-81  
 Cohen L (*see* Cushing et al). 1999;181:353-8  
 Cole L (*see* Bahado-Singh et al). 1999;181:929-33  
 Coleman FH, Christensen HD, Gonzalez CL, Rayburn WF.  
 Behavioral changes in developing mice after prenatal exposure to  
 paroxetine (Paxil). 1999;181:1166-71  
 Coleman HA (*see* Parkinson et al). 1999;181:1445-51  
 Coleman M (*see* Keelan et al). 1999;181:1530-6  
 Collins J (*see* Siddiqui et al). 1999;181:1092-5  
 Collins WP (*see* Timmerman et al). 1999;181:57-65  
 Conde-Agudelo A, Althabe F, Belizán JM, Kafury-Goeta AC.  
 Cigarette smoking during pregnancy and risk of preeclampsia: a  
 systematic review. 1999;181:1026-35 (AJOG reviews)  
 Coney P, DelConte A. The effects on ovarian activity of a monophasic  
 oral contraceptive with 100 µg levonorgestrel and 20 µg ethinyl  
 estradiol. 1999;181:553-8  
 Conway DL, Langer O. Effects of new criteria for type 2 diabetes on  
 the rate of postpartum glucose intolerance in women with gesta-  
 tional diabetes. 1999;181:610-4  
 Cooney AT (*see* Lamar et al). 1999;181:1154-7  
 Cooper AS (*see* Boardman et al). 1999;181:1395-9  
 Cooperstock M. Excess of male fetuses in connection with twin preg-  
 nancies resulting in very preterm birth. 1999;181:1580 (Letter  
 reply)  
 Copes J (*see* Schwartz et al). 1999;181:912-4  
 Cornella JL (*see* Magrina et al). 1999;181:376-81  
 Craven CM, Ward K. Syncytiotrophoblastic fragments in first-  
 trimester decidua: evidence of placental perfusion by the  
 maternal circulation early in pregnancy. 1999;181:455-9  
 Creasman WT, DeGeest K, DiSaia PJ, Zaino RJ. Significance of true  
 surgical pathologic staging: a Gynecologic Oncology Group study.  
 1999;181:31-4  
 Creinin MD, Spitz IM. Use of various ultrasonographic criteria to  
 evaluate the efficacy of mifepristone and misoprostol for medical  
 abortion. 1999;181:1419-24  
 Critchlow CW (*see* Schwartz et al). 1999;181:547-53  
 Croghan IT (*see* Ogburn et al). 1999;181:736-43  
 Crombleholme WR (*see* Lain et al). 1999;181:1192-6  
 Cronjé HS (*see* Boomgaard et al). 1999;181:964-7  
 Crouse DT (*see* Mercer et al). 1999;181:816-21  
 Crowther D (*see* Weeks et al). 1999;181:25-30  
 Cullen J (*see* Cushing et al). 1999;181:353-8  
 Cundiff GW (*see* Barber et al). 1999;181:87-90  
 Cundiff GW (*see* Visco et al). 1999;181:1392-4  
 Cunningham FG (*see* Brown et al). 1999;181:143-8  
 Cunningham P (*see* Bloch et al). 1999;181:760-1  
 Cushing B, Giller R, Ablin A, Cohen L, Cullen J, Hawkins E, Heifetz  
 SA, Krailo M, Lauer SJ, Marina N, Rao PV, Rescorla F, Vinocur  
 CD, Weetman RM, Castleberry RP. Surgical resection alone is ef-  
 fective treatment for ovarian immature teratoma in children and  
 adolescents: a report of the Pediatric Oncology Group and the  
 Children's Cancer Group. 1999;181:353-8
- ### D
- da Fonseca AF (*see* Rodrigues et al). 1999;181:367-70  
 Daly SF (*see* Berghella et al). 1999;181:809-15  
 Dammann O (*see* Leviton et al). 1999;181:1007-17  
 Danilenko-Dixon DR, Van Winter JT, Nelson RL, Ogburn PL Jr.  
 Universal versus selective gestational diabetes screening: applica-  
 tion of 1997 American Diabetes Association recommendations.  
 1999;181:798-802  
 Daoud Y (*see* Schwartz et al). 1999;181:912-4  
 Dardano KL, Burkman RT. The intrauterine contraceptive device: an  
 often-forgotten and maligned method of contraception.  
 1999;181:1-5 (Clin. opinion)  
 Darney PD. Norplant implants and condom use. 1999;181:1270  
 (Letter reply)  
 Das AF (*see* Mercer et al). 1999;181:1216-21  
 Davies A (*see* Miskry et al). 1999;181:1580-1 (Letter)  
 Davies J (*see* McLean et al). 1999;181:207-15  
 Davies JK, Paoletti LC, McDuffie RS, Madoff LC, Lee S, Eskens J,  
 Gibbs RS. A randomized trial of conjugated group B streptococcal  
 type Ia vaccine in a rabbit model of ascending infection.  
 1999;181:803-8  
 Dawood MY, Lau M, Khan-Dawood FS. Localization and expression  
 of oxytocin receptor and its messenger ribonucleic acid in peri-im-  
 plantation phase human endometrium during control and  
 clomiphene-treated cycles. 1999;181:50-6  
 Dayal AK, Manning FA, Berck DJ, Mussalli GM, Avila C, Harman  
 CR, Menticoglou S. Fetal death after normal biophysical profile  
 score: an eighteen-year experience. 1999;181:1231-6  
 Day-Salvatore DL (*see* Vintzileos et al). 1999;181:1045-8  
 deBlicke E (*see* Howard et al). 1999;181:1506-11  
 DeCloedt J (*see* van Dam et al). 1999;181:536-41  
 Decoster A (*see* Foulon et al). 1999;181:843-7  
 Deepika K (*see* Mirhashemi et al). 1999;181:1310-6  
 DeGeest K (*see* Creasman et al). 1999;181:31-4  
 De Groot CJM, Bloemkamp KWM, Duvekot EJ, Helmerhorst FM,  
 Bertina RM, Van Der Meer F, De Ronde H, Oei SG, Kanhai HHH,  
 Rosendaal FR. Preeclampsia and genetic risk factors for thrombo-  
 sis: a case-control study. 1999;181:975-80  
 Dekker GA, Sibai BM. Etiology and pathogenesis of preeclampsia:  
 current concepts. 1999;181:1037 (Letter reply)  
 Dekker KS (*see* Boomgaard et al). 1999;181:964-7  
 DeLancey JOL. Enriching research culture in residency.  
 1999;181:1271 (Letter reply)  
 DelConte A (*see* Archer et al). 1999;181:539-44  
 DelConte A (*see* Coney and DelConte). 1999;181:553-8  
 DelConte A (*see* Young and DelConte). 1999;181:559-62  
 Delke I (*see* Sanchez-Ramos et al). 1999;181:484-90  
 Deprest JA (*see* Luks et al). 1999;181:995-6  
 De Ronde H (*see* De Groot et al). 1999;181:975-80  
 Descartes M (*see* Wenstrom et al). 1999;181:789-92  
 Dessole S (*see* Brizzi et al). 1999;181:430-4  
 De Sutter P (*see* Dhont et al). 1999;181:688-95  
 de Swiet M (*see* Natarajan et al). 1999;181:1203-10  
 de Swiet M (*see* Sullivan et al). 1999;181:508 (Letter)  
 The Developmental Epidemiology Network Investigators (*see*  
 Hansen et al). 1999;181:997-1006  
 The Developmental Epidemiology Network Investigators (*see*  
 Leviton et al). 1999;181:1007-17  
 Devoe LD (*see* Chauhan et al). 1999;181:1473-8  
 Devoe LD (*see* Kenney et al). 1999;181:491-7  
 De Voss K (*see* McLean et al). 1999;181:207-15



- Dhont M, De Sutter P, Ruysinck G, Martens G, Bekaert A. Perinatal outcome of pregnancies after assisted reproduction: a case-control study. 1999;181:688-95
- Dickerson GA (see Larmon et al). 1999;181:1432-7
- Dickey SS (see Morales et al). 1999;181:310-4
- Dietl J (see Sutterlin et al). 1999;181:216-20
- Di Minno G (see Grandone et al). 1999;181:1041 (Letter reply)
- Diro M, Puangsricharn A, Royer L, O'Sullivan MJ, Burkett G. Singleton term breech deliveries in nulliparous and multiparous women: a 5-year experience at The University of Miami/Jackson Memorial Hospital. 1999;181:247-52
- DiSaia PJ (see Creasman et al). 1999;181:31-4
- DiSaia PJ (see Tewari et al). 1999;181:91-8
- DiVito MM (see Berghella et al). 1999;181:809-15
- Divon MY (see O'Reilly-Green and Divon). 1999;181:1133-8
- Divon MY (see Polcaro et al). 1999;181:80-6
- Docherty C (see Anwar et al). 1999;181:663-8
- Dombrowski M (see Hogg et al). 1999;181:1096-101
- Dombrowski MP (see Mercer et al). 1999;181:1216-21
- Dominguez CE (see Kammerer-Doak et al). 1999;181:1317-23
- Dong Y-L (see Fang et al). 1999;181:601-9
- Dooris M (see Lust et al). 1999;181:419-23
- Dorin MH (see Kammerer-Doak et al). 1999;181:1317-23
- Downey CA (see Ross et al). 1999;181:835-42
- Draper ML (see Block et al). 1999;181:498-502
- Drews-Botsch CD (see Sprauve et al). 1999;181:S22-7 (Symposium)
- Drutz HP (see Amaye-Obu and Drutz). 1999;181:1296-309
- Dudenhausen JW (see Chen et al). 1999;181:1461-4
- Duffy SRG (see Weeks et al). 1999;181:25-30
- Dulai RM (see Hopkins et al). 1999;181:1329-34
- Duvekot EJ (see De Groot et al). 1999;181:975-80
- Dwarakanath LS (see Khan et al). 1999;181:503-7 (Education)
- E**
- Earle BB (see Bland et al). 1999;181:1324-8
- Eckert LO (see Schwartz et al). 1999;181:547-53
- Edwards MS (see Lewis et al). 1999;181:1495-9
- Edwin SS (see Maymon et al). 1999;181:1142-8
- Egan JFX (see Rodis et al). 1999;181:1128-32
- Egarter C (see Leitich et al). 1999;181:1465-72
- Egerman RS, Andersen RN, Manejwala FM, Sibai BM. Neuropeptide Y and nitrite levels in preeclamptic and normotensive gravid women. 1999;181:921-3
- Egley C. The clinical significance of intermittent sinusoidal fetal heart rate. 1999;181:1041-2 (Letter)
- Elder MG (see Sullivan et al). 1999;181:508 (Letter)
- Elliot M (see Bohmer et al). 1999;181:283-7
- Emery JD. Residency training restructuring. 1999;181:1275-6 (Letter)
- Emlen V (see Lee et al). 1999;181:642-8
- Emory E, Pattillo R, Archibold E, Bayorh M, Sung F. Neurobehavioral effects of low-level lead exposure in human neonates. 1999;181:S2-11 (Symposium)
- Engelsbel S (see Mol et al). 1999;181:945-51
- Engmann L, Maconochie N, Bekir J, Tan S-L. Progestogen therapy during pituitary desensitization with gonadotropin-releasing hormone agonist prevents functional ovarian cyst formation: a prospective, randomized study. 1999;181:576-82
- Engram AC (see Foster et al). 1999;181:S32-6 (Symposium)
- Escamilla JO. Minilaparotomy hysterectomy—comments. 1999;181:1037-8 (Letter)
- Eschenbach DA (see Bukusi et al). 1999;181:1374-81
- Esclim Study Group (see Utian et al). 1999;181:71-9
- Eskens J (see Davies et al). 1999;181:803-8

- Esposito F (see Brizzi et al). 1999;181:430-4
- Estate R (see Mirhashemi et al). 1999;181:1310-6
- Eucker B (see Thorp et al). 1999;181:266-73
- Eurofetus Study Group (see Grandjean et al). 1999;181:446-54
- Eva LJ, Reid WMN, MacLean AB, Morrison GD. Assessment of response to treatment in vulvar vestibulitis syndrome by means of the vulvar algometer. 1999;181:99-102
- Evans JB (see Hallak et al). 1999;181:828-34
- Evans MI, Goldberg JD, Horenstein J, Wapner RJ, Ayoub MA, Stone J, Lipitz S, Achiron R, Holzgreve W, Brambati B, Johnson A, Johnson MP, Shalhoub A, Berkowitz RL. Selective termination for structural, chromosomal, and mendelian anomalies: international experience. 1999;181:893-7
- Evans MI (see Yaron et al). 1999;181:968-74

**F**

- Faas MM (see Schuiling and Faas). 1999;181:1036-7 (Letter)
- Facchinetti F (see Longo et al). 1999;181:981-8
- Falcinelli C, Battafarano S, Neri C, Mazza V, Ranzi A, Volpe A, Forabosco A. First-trimester fetal sex prediction by deoxyribonucleic acid analysis of maternal peripheral blood. 1999;181:675-80
- Falco V (see Sekizawa et al). 1999;181:1237-42
- Falls RK. Spontaneous resolution rate of grade 1 cervical intraepithelial neoplasia in a private practice population. 1999;181:278-82
- Fang L, Nowicki BJ, Dong Y-L, Yallampalli C. Localized increase in nitric oxide production and the expression of nitric oxide synthase isoforms in rat uterus with experimental intrauterine infection. 1999;181:601-9
- Fanning J, Manahan KJ, McLean SA. Loop electrosurgical excision procedure for partial upper vaginectomy. 1999;181:1382-5
- Farine D (see von Dadelszen et al). 1999;181:408-14
- Farquhar CM, Lethaby A, Sowter M, Verry J, Baranyai J. An evaluation of risk factors for endometrial hyperplasia in premenopausal women with abnormal menstrual bleeding. 1999;181:525-9
- Fassett MJ (see Castro et al). 1999;181:389-95
- Faulk WP (see Thaler et al). 1999;181:460-7
- Feldman DM, Borgida AF, Sauer F, Rodis JF. Rotational versus nonrotational forceps: maternal and neonatal outcomes. 1999;181:1185-7
- Ferency A (see Franco and Ferency). 1999;181:382-6
- Fernhall B (see Otterstetter et al). 1999;181:958-63
- Ferrazzani S (see Caruso et al). 1999;181:768-9 (Letter)
- Ferrazzi E (see Barbera et al). 1999;181:174-9
- Ferrazzi E (see Galan et al). 1999;181:1149-53
- Figuerola JP (see Massmann et al). 1999;181:116-25
- Figuerola JP (see Weeks et al). 1999;181:25-30
- Finnerty JJ, Chisholm CA, Chapple H, Login IS, Pinkerton JV. Cerebral arteriovenous malformation in pregnancy: presentation and neurologic, obstetric, and ethical significance. 1999;181:296-303
- Fischer D-C (see Winkler et al). 1999;181:153-8
- Fischer RG (see Larmon et al). 1999;181:1432-7
- Fisk NM (see Teixeira et al). 1999;181:1018-25
- FitzGerald MP, Mollenhauer J, Bitterman P, Brubaker L. Functional failure of fascia lata allografts. 1999;181:1339-46
- Forabosco A (see Falcinelli et al). 1999;181:675-80
- Ford GA (see Anumba et al). 1999;181:1479-85
- Forssas E (see Hemminki and Forssas). 1999;181:396-401
- Fortune K (see Howard et al). 1999;181:1506-11
- Fortuny A (see Borrell and Fortuny). 1999;181:1043 (Letter reply)
- Foster HW Jr. Keynote address: taming the tempest of teen pregnancy. 1999;181:S28-31 (Symposium)
- Foster HW Jr, Bond T, Ivery DG, Treasure OA, Smith D, Sarma RP, Engram AC, Cathcart S. Teen pregnancy—problems and approaches: panel presentation. 1999;181:S32-6 (Symposium)

- Foulon W, Pinon J-M, Stray-Pedersen B, Pollak A, Lappalainen M, Decoster A, Villena I, Jenum PA, Hayde M, Naessens A. Prenatal diagnosis of congenital toxoplasmosis: a multicenter evaluation of different diagnostic parameters. 1999;181:843-7
- Fouron J-C, Skoll A, Sonesson S-E, Pfizenmaier M, Jaeggi E, Lessard M. Relationship between flow through the fetal aortic isthmus and cerebral oxygenation during acute placental circulatory insufficiency in ovine fetuses. 1999;181:1102-7
- Fouse BL (see Shelton et al). 1999;181:1259-62
- Fowler RS (see Magrina et al). 1999;181:376-81
- Franco EL, Ferenczy A. Assessing gains in diagnostic utility when human papillomavirus testing is used as an adjunct to Papanicolaou smear in the triage of women with cervical cytologic abnormalities. 1999;181:382-6
- Franklin J (see Wenstrom et al). 1999;181:789-92
- Fraser IS (see Nash et al). 1999;181:1400-6
- Freedman RR, Krell W. Reduced thermoregulatory null zone in post-menopausal women with hot flashes. 1999;181:66-70
- Friedman EH. Neurobiology of infants born to women who exercise regularly throughout pregnancy. 1999;181:1038-9 (Letter)
- Fruchter O (see Lissak et al). 1999;181:126-30
- Fujimoto S (see Matsuda et al). 1999;181:725-30
- Funk A (see Kemp et al). 1999;181:615-20
- G**
- Galan HL, Jozwik M, Rigano S, Regnault TRH, Hobbins JC, Battaglia FC, Ferrazzi E. Umbilical vein blood flow determination in the ovine fetus: comparison of Doppler ultrasonographic and steady-state diffusion techniques. 1999;181:149-53
- Galan HL (see Barbera et al). 1999;181:174-9
- Gallagher JC (see Utian et al). 1999;181:71-9
- Gambrell RD Jr (see Natrajan et al). 1999;181:288-95
- Ganapathy V (see Kenney et al). 1999;181:491-7
- Garcia PM (see Grobman and Garcia). 1999;181:1062-71
- Garfield RE (see Buhimschi et al). 1999;181:159-64
- Garfield RE (see Longo et al). 1999;181:981-8
- Garfield RE (see Okawa et al). 1999;181:649-55
- Garfield RE (see Olson et al). 1999;181:638-41
- Garfield RE (see Syal et al). 1999;181:415-8
- Garg N (see Berghella et al). 1999;181:809-15
- Garite TJ (see Lewis et al). 1999;181:1495-9
- Garratty G, Leger RM, Arndt PA. Severe immune hemolytic anemia associated with prophylactic use of cefotetan in obstetric and gynecologic procedures. 1999;181:103-4
- Gast MJ (see Reisman et al). 1999;181:545-52
- Gatti MG (see Buonocore et al). 1999;181:1500-5
- Gaudier FL (see Sanchez-Ramos et al). 1999;181:484-90
- Gayle LJ (see Lamar et al). 1999;181:1154-7
- Geary FH Jr, Wingate CB. Domestic violence and physical abuse of women: the Grady Memorial Hospital experience. 1999;181:S17-21 (Symposium)
- Gembruch U (see Baschat et al). 1999;181:190-5
- Generelli P (see Howard et al). 1999;181:1506-11
- Gherman RB, Goodwin TM, Ouzounian JG. Brachial plexus palsy: an in utero injury? 1999;181:1272 (Letter reply)
- Ghezzi F (see Maymon et al). 1999;181:1142-8
- Gibbs RS. Strategies for prevention of infection with group B streptococci. 1999;181:767 (Letter)
- Gibbs RS (see Davies et al). 1999;181:803-8
- Gifford D (see Peipert et al). 1999;181:435-9
- Giles W (see Agrez et al). 1999;181:387-8
- Giller R (see Cushing et al). 1999;181:353-8
- Gilles JM, Burkett G, Patel D. Obstetric management in 219 cases of infants with hypoplastic left heart syndrome. 1999;181:226 (Letter)
- Gilmore JH (see Marx et al). 1999;181:1125-30
- Gilstrap LC (see Andres et al). 1999;181:867-71
- Gioia D (see Buonocore et al). 1999;181:1500-5
- Girard J (see Lepercq et al). 1999;181:621-5
- Girard JB (see Marinoff et al). 1999;181:759-60
- Giudice T (see Sullivan et al). 1999;181:260-5
- Glantz JC. Cesarean delivery risk adjustment for regional interhospital comparisons. 1999;181:1425-31
- Glezerman M (see Lurie and Glezerman). 1999;181:1276 (Letter)
- Glover V (see Teixeira et al). 1999;181:1018-25
- Gokdeniz R (see Buhimschi et al). 1999;181:159-64
- Gold MR (see Otterstetter et al). 1999;181:958-63
- Goldberg JD (see Evans et al). 1999;181:893-7
- Goldenberg RL (see Mercer et al). 1999;181:1216-21
- Goldkrand JW (see Kurup and Goldkrand). 1999;181:240-6
- Goldsmith LJ (see Kurtzman et al). 1999;181:853-7
- Goldstein SR. Selective estrogen receptor modulators. 1999;181:1036 (Letter reply)
- Goldwasser R (see Abramovici et al). 1999;181:1108-12
- Goldwasser S (see Abramovici et al). 1999;181:1108-12
- Gomez R (see Athayde et al). 1999;181:989-94
- Gomez R (see Maymon et al). 1999;181:1142-8
- Gonzalez CL (see Coleman et al). 1999;181:1166-71
- Goodlin RC. They should have reviewed the obstetric literature. 1999;181:230-1 (Letter)
- Goodrum L (see Longo et al). 1999;181:981-8
- Goodwin TM (see Castro et al). 1999;181:389-95
- Goodwin TM (see Gherman et al). 1999;181:1271-2 (Letter reply)
- Gordon RE (see Heller et al). 1999;181:346-7
- Gortner L (see Baschat et al). 1999;181:190-5
- Goyert G (see Schwartz et al). 1999;181:912-4
- Grandjean H, Larroque D, Levi S, Eurofetus Study Group. The performance of routine ultrasonographic screening of pregnancies in the Eurofetus Study. 1999;181:446-54
- Grandone E, Margaglione M, Di Minno G. Unusual cases of severe thrombotic episodes during the peripartum period. 1999;181:1041 (Letter reply)
- Graves W (see Sprauve et al). 1999;181:S22-7 (Symposium)
- Grazi V (see Babinszki et al). 1999;181:669-74
- Green L (see Kawagoe et al). 1999;181:1520-9
- Greer I (see Thomson et al). 1999;181:770 (Letter)
- Gridley G (see Olsen et al). 1999;181:630-4
- Grieco V (see Bukusi et al). 1999;181:1374-81
- Grimes D (see Rivera et al). 1999;181:1263-9 (AJOG reviews)
- Grobman WA, Garcia PM. The cost-effectiveness of voluntary intrapartum rapid human immunodeficiency virus testing for women without adequate prenatal care. 1999;181:1062-71
- Grobman WA, Parilla BV. Positive predictive value of suspected growth aberration in twin gestations. 1999;181:1139-41
- Grubb GS (see Archer et al). 1999;181:S63-6
- Grunewald C (see Belfort et al). 1999;181:402-7
- Gu X (see Agrez et al). 1999;181:387-8
- Gunn AJ (see Westgate et al). 1999;181:765-6
- Guy MP (see Utian et al). 1999;181:71-9
- Guzick DS (see Stevenson et al). 1999;181:35-8
- Guzman ER, Shen-Schwarz S, Benito C, Vintzileos AM, Lake M, Lai Y-L. The relationship between placental histology and cervical ultrasonography in women at risk for pregnancy loss and spontaneous preterm birth. 1999;181:793-7
- Guzman ER (see Vintzileos et al). 1999;181:1045-8
- H**
- Haas J (see Tamussino et al). 1999;181:1347-52
- Hackshaw A (see McLean et al). 1999;181:207-15

- Hafner E. Strategies for prevention of infection with group B streptococci. 1999;181:767-8 (Letter reply)
- Hajenius PJ (see Mol et al). 1999;181:945-51
- Hale EA (see Rinehart et al). 1999;181:915-20
- Hallak M, Kupsky WJ, Hotra JW, Evans JB. Fetal rat brain damage caused by maternal seizure activity: prevention by magnesium sulfate. 1999;181:828-34
- Hallak M, Martinez-Poyer J, Kruger ML, Hassan S, Blackwell SC, Sorokin Y. The effect of magnesium sulfate on fetal heart rate parameters: a randomized, placebo-controlled trial. 1999;181:1122-7
- Hallak M (see Yaron et al). 1999;181:968-74
- Hallberg B (see Kruger et al). 1999;181:1072-8
- Halligan AW (see Natarajan et al). 1999;181:1203-10
- Halvorsen B (see Staff et al). 1999;181:1211-5
- Handt S (see Kemp et al). 1999;181:615-20
- Haney EI (see Neerhof et al). 1999;181:1275 (Letter reply)
- Hankins GV (see Andres et al). 1999;181:867-71
- Hanlon-Lundberg KM, Kirby RS. Nucleated red blood cells as a marker of acidemia in term neonates. 1999;181:196-201
- Hansen A, Leviton A. The Developmental Epidemiology Network Investigators. Labor and delivery characteristics and risks of cranial ultrasonographic abnormalities among very-low-birth-weight infants. 1999;181:997-1006
- Harkavy KL. Premature rupture of membranes. 1999;181:1274-5 (Letter)
- Harman CR (see Baschat et al). 1999;181:190-5
- Harman CR (see Dayal et al). 1999;181:1231-6
- Harmon TM (see Nash et al). 1999;181:1400-6
- Harrigan JT (see Canterino et al). 1999;181:1049-51
- Harrington K (see Aquilina et al). 1999;181:131-6
- Harrison FNH Jr. Managed care in obstetrics and gynecology: can our specialty survive? 1999;181:328-31
- Harrison FNH Jr (see Bohmer et al). 1999;181:283-7
- Harrison MR (see Skarsgard et al). 1999;181:440-5
- Hartmann DM (see Stevenson et al). 1999;181:35-8
- Hassan S (see Hallak et al). 1999;181:1122-7
- Hauguel-de Mouzon S (see Lepercq et al). 1999;181:621-5
- Hauth J (see Hogg et al). 1999;181:1096-101
- Hawkins E (see Cushing et al). 1999;181:353-8
- Hayde M (see Foulon et al). 1999;181:843-7
- Hayslett JP. They should have reviewed the obstetric literature. 1999;181:231 (Letter reply)
- Heaney RP (see Power et al). 1999;181:1560-9 (AJOG reviews)
- Heerschap A (see van Walsum et al). 1999;181:1537-45
- Heifetz SA (see Cushing et al). 1999;181:353-8
- Heller DS, Gordon RE, Katz N. Correlation of asbestos fiber burdens in fallopian tubes and ovarian tissue. 1999;181:346-7
- Helmerhorst FM (see De Groot et al). 1999;181:975-80
- Hemminki E, Forsas E. Epidemiology of miscarriage and its relation to other reproductive events in Finland. 1999;181:396-401
- Hemrika DJ (see Mol et al). 1999;181:945-51
- Hendrix NW (see Chauhan et al). 1999;181:1473-8
- Henriksen T (see Staff et al). 1999;181:1211-5
- Herbeck M, Horbach T, Putzenlechner C, Klein P, Lang W. Ruptured splenic artery aneurysm during pregnancy: a rare case with both maternal and fetal survival. 1999;181:763-4
- Herbert WNP (see Shelton et al). 1999;181:1259-62
- Herbst AL. Diethylstilbestrol and adenocarcinoma of the vagina. 1999;181:1576-8 (Classic pages)
- Herd JA (see Belfort et al). 1999;181:402-7
- Hertelendy F (see Belt et al). 1999;181:359-66
- Hertelendy F (see Molnár et al). 1999;181:42-9
- Heupel M (see Sütterlin et al). 1999;181:216-20
- Heymann MA (see Skarsgard et al). 1999;181:440-5
- Higby K (see Whitecar et al). 1999;181:19-24
- Hobbins JC (see Galan et al). 1999;181:1149-53
- Hoffman MS, Lynch C. Minilaparotomy hysterectomy—comments. 1999;181:1038 (Letter reply)
- Hoffman MS, Lynch C, Lockhart J, Knapp R. Injury of the rectum during vaginal surgery. 1999;181:274-7
- Hogan JW (see Boardman et al). 1999;181:1395-9
- Hogan JW (see Peipert et al). 1999;181:435-9
- Hogg B, Hauth J, Caritis S, Sibai B, Lindheimer M, Van Dorsten P, Klebanoff M, MacPherson C, Landon M, Paul R, Miodovnik M, Meis P, Thurnau G, Dombrowski M, McNellis D, Roberts J. Safety of labor epidural anesthesia for women with severe hypertensive disease. 1999;181:1096-101
- Hogg BB (see Scardo et al). 1999;181:862-6
- Holda S (see Hopkins et al). 1999;181:1329-34
- Holleman CM (see Shelton et al). 1999;181:1259-62
- Holleman S (see Lamar et al). 1999;181:1154-7
- Holley RL (see Richter et al). 1999;181:940-4
- Holmes KK (see Bukusi et al). 1999;181:1374-81
- Holzgrevé W (see Evans et al). 1999;181:893-7
- Hon EH. The location of chronic pregnancy hypertension on the vasoconstriction-volume spectrum: working hypothesis. 1999;181:137-42
- Honegger MM (see Marinoff et al). 1999;181:759-60
- Hong J-H (see Wang et al). 1999;181:518-24
- Hopkins MP, Dulai RM, Occhino A, Holda S. The effects of carbon dioxide pneumoperitoneum on seeding of tumor in port sites in a rat model. 1999;181:1329-34
- Horbach T (see Herbeck et al). 1999;181:763-4
- Horenstein J (see Evans et al). 1999;181:893-7
- Hoshi N (see Matsuda et al). 1999;181:725-30
- Hotra JW (see Hallak et al). 1999;181:828-34
- Howard CR, Howard FM, Fortune K, Generelli P, Zolnoun D, tenHoopen C, deBlicke E. A randomized, controlled trial of a eutectic mixture of local anesthetic cream (lidocaine and prilocaine) versus penile nerve block for pain relief during circumcision. 1999;181:1506-11
- Howard FM (see Howard et al). 1999;181:1506-11
- Hsu C-D, Parkash V. Immunolocalization of inducible nitric oxide synthase in human amnion. 1999;181:770 (Letter reply)
- Huang H-J (see Wang et al). 1999;181:518-24
- Huang K-G (see Wang et al). 1999;181:518-24
- Hudson L (see Baumgartner et al). 1999;181:848-52
- Hunt JS (see Thaler et al). 1999;181:460-7
- Hunter D (see Bahado-Singh et al). 1999;181:929-33
- Hurt RD (see Ogburn et al). 1999;181:736-43
- Husslein P (see Leitich et al). 1999;181:1465-72

I

- Iams JD (see Mercer et al). 1999;181:1216-21
- Ikenoue N (see Wakatsuki et al). 1999;181:731-5
- Ingardia CJ (see Wax et al). 1999;181:755-6
- Isler CM, Rinehart BK, Terrone DA, Martin RW, Magann EF, Martin JN Jr. Maternal mortality associated with HELLP (hemolysis, elevated liver enzymes, and low platelets) syndrome. 1999;181:924-8
- Ivery DG (see Foster et al). 1999;181:S32-6 (Symposium)
- Izumiya C (see Wakatsuki et al). 1999;181:731-5

J

- Jacques DL (see Ross et al). 1999;181:835-42
- Jaeggi E (see Fouron et al). 1999;181:1102-7
- Jaffe RB (see Longo et al). 1999;181:934-9 (Clin. opinion)
- Jain JK, Meckstroth KR, Mishell DR Jr. Early pregnancy termination with intravaginally administered sodium chloride solution—moistened misoprostol tablets: historical comparison with mifepristone and oral misoprostol. 1999;181:1386-91

- Jain V (see Longo et al). 1999;181:981-8
- Jakobovits AA. Excess of male fetuses in connection with twin pregnancies resulting in very preterm birth. 1999;181:1580 (Letter)
- Jarskog LF (see Marx et al). 1999;181:1125-30
- Jauniaux E (see Burton et al). 1999;181:718-24
- Jeffray TM, Marinoni E, Ramirez MM, Bocking AD, Challis JRG. Effect of prenatal betamethasone administration on maternal and fetal corticosteroid-binding globulin concentrations. 1999;181:1546-51
- Jelsem RD. Pregnancy after radical vaginal trachelectomy. 1999;181:229-30 (Letter)
- Jenum PA (see Foulon et al). 1999;181:843-7
- Jeremias J, Witkin SS. Effect of human seminal fluid on production of messenger ribonucleic acid for metalloproteinase 2 and metalloproteinase 9 in cervical epithelial carcinoma cells. 1999;181:591-5
- Jimbo H (see Mishima et al). 1999;181:583-90
- Joffe GM (see Catalano et al). 1999;181:769 (Letter reply)
- Johansen C (see Olsen et al). 1999;181:630-4
- Johnson A (see Evans et al). 1999;181:893-7
- Johnson BL. A review of the effects of hazardous waste on reproductive health. 1999;181:S12-6 (Symposium)
- Johnson MP (see Evans et al). 1999;181:893-7
- Johnson MP (see Yaron et al). 1999;181:968-74
- Jongsma HW (see van Walsum et al). 1999;181:1537-45
- Józwik M (see Barbera et al). 1999;181:174-9
- Jozwik M (see Galan et al). 1999;181:1149-53
- Jun JK (see Yoon et al). 1999;181:773-9
- K**
- Kaczan-Bourgeois D, Salles JP, Chap H. Expression of annexin II and associated p11 protein by differentiated choriocarcinoma Jar cells. 1999;181:1273 (Letter)
- Kafury-Goeta AC (see Conde-Agudelo et al). 1999;181:1026-35 (AJOG reviews)
- Kaibara M. Erythrocyte life span, preeclampsia, and hypercoagulability. 1999;181:1276-7 (Letter reply)
- Kaider A (see Leitich et al). 1999;181:1465-72
- Kalkwarf HJ (see Power et al). 1999;181:1560-9 (AJOG reviews)
- Kalter CS (see Angel et al). 1999;181:253-9
- Kalter H. A flawed experiment, again. 1999;181:1039 (Letter)
- Kamal A (see Aboulghar et al). 1999;181:371-5
- Kamimori GH (see Otterstetter et al). 1999;181:958-63
- Kammerer-Doak DN, Wesol AB, Rogers RG, Dominguez CE, Dorin MH. A prospective cohort study of women after primary repair of obstetric anal sphincter laceration. 1999;181:1317-23
- Kang AH, Boehm FH. The clinical significance of intermittent sinusoidal fetal heart rate. 1999;181:1042 (Letter reply)
- Kanhai HHH (see De Groot et al). 1999;181:975-80
- Karram MM (see Porter et al). 1999;181:1353-9
- Kassel A (see Lissak et al). 1999;181:126-30
- Katz N (see Heller et al). 1999;181:346-7
- Kaufmann P (see Kemp et al). 1999;181:615-20
- Kaunitz AM (see Sanchez-Ramos et al). 1999;181:484-90
- Kawagoe Y, Green L, White S, Richardson B. Intermittent umbilical cord occlusion in the ovine fetus near term: effects on behavioral state activity. 1999;181:1520-9
- Keelan JA, Marvin KW, Sato TA, Coleman M, McCowan LME, Mitchell MD. Cytokine abundance in placental tissues: evidence of inflammatory activation in gestational membranes with term and preterm parturition. 1999;181:1530-6
- Kekuda R (see Kenney et al). 1999;181:491-7
- Kemp B, Kertschanska S, Handt S, Funk A, Kaufmann P, Rath W. Different placental patterns in viable compared with nonviable tubal pregnancy suggest a divergent clinical management. 1999;181:615-20
- Kenemans P (see van Baal et al). 1999;181:1365-73
- Kenney SP, Kekuda R, Prasad PD, Leibach FH, Devoe LD, Ganapathy V. Cannabinoid receptors and their role in the regulation of the serotonin transporter in human placenta. 1999;181:491-7
- Kenton K, Shott S, Brubaker L. Outcome after rectovaginal fascia reattachment for rectocele repair. 1999;181:1360-4
- Kerenyi T (see Babinszki et al). 1999;181:669-74
- Kernek K (see Carr et al). 1999;181:822-7
- Kertschanska S (see Kemp et al). 1999;181:615-20
- Kessler CM (see Otterstetter et al). 1999;181:958-63
- Khamashta MA (see Lakasing et al). 1999;181:180-9
- Khan KS, Khan SF, Nwosu CR, Arnott N, Chien PFW. Misleading authors' inferences in obstetric diagnostic test literature. 1999;181:112-5
- Khan KS, Nwosu CR, Khan SF, Dwarakanath LS, Chien PFW. A controlled analysis of authorship trends over two decades. 1999;181:503-7 (Education)
- Khan SF (see Khan et al). 1999;181:112-5
- Khan SF (see Khan et al). 1999;181:503-7 (Education)
- Khan-Dawood FS (see Dawood et al). 1999;181:50-6
- Ki SH (see Yoon et al). 1999;181:773-9
- Kim BI (see Yoon et al). 1999;181:773-9
- Kim JC (see Yoon et al). 1999;181:784-8
- Kim KS (see Yoon et al). 1999;181:773-9
- Kim MH (see Yoon et al). 1999;181:784-8
- Kim YA (see Yoon et al). 1999;181:784-8
- Kirby RS (see Hanlon-Lundberg and Kirby). 1999;181:196-201
- Kirsch C-M (see Alexander et al). 1999;181:513-7
- Kjaer SK (see Olsen et al). 1999;181:630-4
- Klebanoff M (see Hogg et al). 1999;181:1096-101
- Klebanoff MA (see Zhang et al). 1999;181:1407-13
- Klein NA (see Miller et al). 1999;181:952-7
- Klein P (see Herbeck et al). 1999;181:763-4
- Klem M (see Kurtzman et al). 1999;181:853-7
- Knapp R (see Hoffman et al). 1999;181:274-7
- Knuppel RA (see Vintzileos et al). 1999;181:1045-8
- Kobayashi Y (see Matsuda et al). 1999;181:725-30
- Kohli N (see Porter et al). 1999;181:1353-9
- Kovac SR. A trial of vaginal route for hysterectomy. 1999;181:228 (Letter reply)
- Krailo M (see Cushing et al). 1999;181:353-8
- Kramer RL (see Yaron et al). 1999;181:968-74
- Kreft W (see Bohmer et al). 1999;181:283-7
- Kreiss J (see Bukusi et al). 1999;181:1374-81
- Krell W (see Freedman and Krell). 1999;181:66-70
- Krohn MA (see Lain et al). 1999;181:1192-6
- Kruger K, Hallberg B, Blennow M, Kublickas M, Westgren M. Predictive value of fetal scalp blood lactate concentration and pH as markers of neurologic disability. 1999;181:1072-8
- Kruger ML (see Hallak et al). 1999;181:1122-7
- Kuban K (see Leviton et al). 1999;181:1007-17
- Kublickas M (see Kruger et al). 1999;181:1072-8
- Kuczynski E (see Radunovic et al). 1999;181:170-3
- Kuehl TJ (see Lamar et al). 1999;181:1154-7
- Kuller JA (see Thorp et al). 1999;181:266-73
- Kung F-T, Chang S-Y. Efficacy of methotrexate treatment in viable and nonviable cervical pregnancies. 1999;181:1438-44
- Kupsky WJ (see Hallak et al). 1999;181:828-34
- Kurtzman JT, Spinnato JA, Goldsmith LJ, Zimmerman MJ, Klem M, Lei ZM, Rao ChV. Human chorionic gonadotropin exhibits potent inhibition of preterm delivery in a small animal model. 1999;181:853-7
- Kurup M, Goldkrand JW. Cervical incompetence: elective, emergent, or urgent cerclage. 1999;181:240-6



L

- Labarrere CA (see Thaler et al). 1999;181:460-7
- Lagoo-Deenadayalan S (see Rinehart et al). 1999;181:915-20
- Lahlou N (see Lepercq et al). 1999;181:621-5
- Lai C-H (see Wang et al). 1999;181:518-24
- Lai Y-L (see Guzman et al). 1999;181:793-7
- Laifer SA (see Casele et al). 1999;181:1113-7
- Laifer SA (see Siddiqui et al). 1999;181:1092-5
- Lain KY, Powers RW, Krohn MA, Ness RB, Crombleholme WR, Roberts JM. Urinary cotinine concentration confirms the reduced risk of preeclampsia with tobacco exposure. 1999; 181:1192-6
- Lakasing L, Campa JS, Poston R, Khamashta MA, Poston L. Normal expression of tissue factor, thrombomodulin, and annexin V in placenta from women with antiphospholipid syndrome. 1999;181:180-9
- Lake M (see Guzman et al). 1999;181:793-7
- Lamar ME, Kuehl TJ, Cooney AT, Gayle LJ, Holleman S, Allen SR. Jelly beans as an alternative to a fifty-gram glucose beverage for gestational diabetes screening. 1999;181:1154-7
- Landon M (see Hogg et al). 1999;181:1096-101
- Lang W (see Herbeck et al). 1999;181:763-4
- Langer O (see Conway and Langer). 1999;181:610-4
- Lapinski RH (see Babinszki et al). 1999;181:669-74
- Lappalainen M (see Foulon et al). 1999;181:843-7
- Laumon JE, Ross BS, May WL, Dickerson GA, Fischer RG, Morrison JC. Oral nicardipine versus intravenous magnesium sulfate for the treatment of preterm labor. 1999;181:1432-7
- Larroque D (see Grandjean et al). 1999;181:446-54
- Lau M (see Dawood et al). 1999;181:50-6
- Lauer SJ (see Cushing et al). 1999;181:353-8
- LeBlanc MH. Incidence of morbidity. 1999;181:1581-2 (Letter)
- Lee RM, Emlen W, Scott JR, Branch DW, Silver RM. Anti- $\beta_2$ -glycoprotein I antibodies in women with recurrent spontaneous abortion, unexplained fetal death, and antiphospholipid syndrome. 1999;181:642-8
- Lee S (see Davies et al). 1999;181:803-8
- Lee-Parritz A (see Atilano et al). 1999;181:1158-61
- Leger RM (see Garratty et al). 1999;181:103-4
- Lei ZM (see Kurtzman et al). 1999;181:853-7
- Leibach FH (see Kenney et al). 1999;181:491-7
- Leitich H, Brunbauer M, Kaider A, Egarter C, Husslein P. Cervical length and dilatation of the internal cervical os detected by vaginal ultrasonography as markers for preterm delivery: a systematic review. 1999;181:1465-72
- Leo MV (see Rodis et al). 1999;181:1128-32
- LeParc G (see Quintero et al). 1999;181:744-9
- Lepercq J, Lahlou N, Timsit J, Girard J, Hauguel-de Mouzon S. Macrosomia revisited: ponderal index and leptin delineate subtypes of fetal overgrowth. 1999;181:621-5
- Lessard M (see Fouron et al). 1999;181:1102-7
- Lethaby A (see Farquhar et al). 1999;181:525-9
- Levi S (see Grandjean et al). 1999;181:446-54
- Levine RJ (see Catalano et al). 1999;181:769 (Letter reply)
- Levine RJ (see Zhang et al). 1999;181:1407-13
- Leviton A, Dammann O, Allred EN, Kuban K, Pagano M, Van Marter L, Paneth N, Reuss ML, Susser M. The Developmental Epidemiology Network Investigators. Antenatal corticosteroids and cranial ultrasonographic abnormalities. 1999;181:1007-17
- Leviton A (see Hansen et al). 1999;181:997-1006
- Levy HL (see Vargas et al). 1999;181:753-5
- Lewis DF, Adair CD, Weeks JW, Barrilleaux PS, Edwards MS, Garite TJ. A randomized clinical trial of daily nonstress testing versus biophysical profile in the management of preterm premature rupture of membranes. 1999;181:1495-9
- Lieberman E (see Atilano et al). 1999;181:1158-61
- Lieberman E (see Caughey et al). 1999;181:872-6
- Lieberman E (see Zelop et al). 1999;181:882-6
- Lieberman ES (see Robinson et al). 1999;181:1180-4
- Lim DV (see Morales et al). 1999;181:310-4
- Lin J-D (see Wang et al). 1999;181:518-24
- Lindheimer M (see Hogg et al). 1999;181:1096-101
- Lindsay MK (see Sprauve et al). 1999;181:S22-7 (Symposium)
- Lipitz S (see Evans et al). 1999;181:893-7
- Lissak A, Sharon A, Fruchter O, Kassel A, Sanderovitz J, Abramovici H. Polymorphism for mutation of cytosine to thymine at location 677 in the methylenetetrahydrofolate reductase gene is associated with recurrent early fetal loss. 1999;181:126-30
- Lockhart J (see Hoffman et al). 1999;181:274-7
- Lockwood CJ (see Radunovic et al). 1999;181:170-3
- Login IS (see Finnerty et al). 1999;181:296-303
- Longo LD, McClure ME, Jaffe RB. Reproductive physician-scientists for the twenty-first century. 1999;181:934-9 (Clin. opinion)
- Longo M, Jain V, Vedernikov YP, Saade GR, Goodrum L, Facchinetti F, Garfield RE. Effect of nitric oxide and carbon monoxide on uterine contractility during human and rat pregnancy. 1999; 181:981-8
- Longo M (see Okawa et al). 1999;181:649-55
- Lonky NM, Sadeghi M, Tsadik GW, Petitti D. The clinical significance of the poor correlation of cervical dysplasia and cervical malignancy with referral cytologic results. 1999;181:560-6
- Lukas MJM, Taggart MJ, Wray S. Intracellular calcium stores and agonist-induced contractions in isolated human myometrium. 1999;181:468-76
- Luke B, Avni M, Min L, Misiunas R. Work and pregnancy: the role of fatigue and the "second shift" on antenatal morbidity. 1999;181:1172-9
- Luks FI, Deprest JA, Peers KHE, Steegers EAP, van der Wildt B. Gelatin sponge plug to seal fetoscopy port sites: technique in ovine and primate models. 1999;181:995-6
- Lundström E, Wilczek B, von Palffy Z, Söderqvist G, von Schoultz B. Mammographic breast density during hormone replacement therapy: differences according to treatment. 1999;181:348-52
- Lurie S, Glezerman M. Erythrocyte life span, preeclampsia, and hypercoagulability. 1999;181:1276 (Letter)
- Lust KM, Boots RJ, Dooris M, Wilson J. Management of labor in Eisenmenger syndrome with inhaled nitric oxide. 1999;181:419-23
- Lye SJ (see von Dadelszen et al). 1999;181:408-14
- Lyman WD (see Polcaro et al). 1999;181:80-6
- Lynch C (see Hoffman and Lynch). 1999;181:1038 (Letter reply)
- Lynch C (see Hoffman et al). 1999;181:274-7

M

- Ma XH (see Wu et al). 1999;181:1512-9
- Mabie BC (see Abramovici et al). 1999;181:1108-12
- Macio I (see Wiesenfeld and Macio). 1999;181:39-41
- MacLean AB (see Eva et al). 1999;181:99-102
- Macrones GA, Segel SY, Stamilio DM, Morgan MA. Prediction of delivery among women with early preterm labor by means of clinical characteristics alone. 1999;181:1414-8
- Maconochie N (see Engmann et al). 1999;181:576-82
- MacPherson C (see Hogg et al). 1999;181:1096-101
- MacPherson CA (see Mercer et al). 1999;181:1582 (Letter reply)
- Madden A (see Chasen et al). 1999;181:1052-6
- Madoff LC (see Davies et al). 1999;181:803-8
- Magann EF (see Chauhan et al). 1999;181:1473-8
- Magann EF (see Isler et al). 1999;181:924-8
- Magatti F (see Quadri et al). 1999;181:12-8

- Magos AL (see Miskry et al). 1999;181:1580-1 (Letter)
- Magrina JF, Mutone NF, Weaver AL, Magtibay PM, Fowler RS, Cornella JL. Laparoscopic lymphadenectomy and vaginal or laparoscopic hysterectomy with bilateral salpingo-oophorectomy for endometrial cancer: morbidity and survival. 1999;181:376-81
- Magtibay PM (see Magrina et al). 1999;181:376-81
- Maguire TO (see Verma et al). 1999;181:701-8
- Maheux R (see Archer et al). 1999;181:S39-44
- Mahoney MJ (see Bahado-Singh et al). 1999;181:929-33
- Maioli M (see Brizzi et al). 1999;181:430-4
- Mammen EF (see Archer et al). 1999;181:S63-6
- Manahan KJ (see Fanning et al). 1999;181:1382-5
- Manejwala FM (see Egerman et al). 1999;181:921-3
- Manetta A (see Tewari et al). 1999;181:91-8
- Manning FA (see Dayal et al). 1999;181:1231-6
- Mansour RT (see Aboulghar et al). 1999;181:371-5
- Marana R, Zupi E. Laparoscopically assisted vaginal hysterectomy compared with total abdominal hysterectomy. 1999;181:1581 (Letter reply)
- Marconi AM (see Ronzoni et al). 1999;181:477-83
- Mårdh P-A (see Rodrigues et al). 1999;181:367-70
- Margaglione M (see Grandone et al). 1999;181:1041 (Letter reply)
- Marina N (see Cushing et al). 1999;181:353-8
- Marinoff DN, Honegger MM, Girard JB. Spontaneous resolution of disseminated intravascular coagulopathy in the second trimester. 1999;181:759-60
- Marinoni E (see Jeffray et al). 1999;181:1546-51
- Marshall JC (see von Dadelszen et al). 1999;181:408-14
- Marteau TM, Michie S, Miedzybrodzka ZH, Allanson A. Incorrect recall of residual risk three years after carrier screening for cystic fibrosis: a comparison of two-step and couple screening. 1999;181:165-9
- Martens G (see Dhont et al). 1999;181:688-95
- Martin D (see Reisman et al). 1999;181:S45-52
- Martin J (see Mirhashemi et al). 1999;181:1310-6
- Martin JN Jr (see Isler et al). 1999;181:924-8
- Martin JN Jr (see Rinehart et al). 1999;181:915-20
- Martin RW (see Isler et al). 1999;181:924-8
- Martin RW (see Perry et al). 1999;181:1057-61
- Martinez-de-Oliveira J (see Rodrigues et al). 1999;181:367-70
- Martinez-Poyer J (see Hallak et al). 1999;181:1122-7
- Maruo T (see Nash et al). 1999;181:1400-6
- Marvin KW (see Keelan et al). 1999;181:1530-6
- Marx CE, Vance BJ, Jarskog LF, Chescheir NC, Gilmore JH. Nerve growth factor, brain-derived neurotrophic factor, and neurotrophin-3 levels in human amniotic fluid. 1999;181:1125-30
- Massafra C (see Buonocore et al). 1999;181:1500-5
- Massmann AG (see Weeks et al). 1999;181:25-30
- Massmann GA, Zhang J, Figueroa JP. Functional and molecular characterization of nitric oxide synthase in the endometrium and myometrium of pregnant sheep during the last third of gestation. 1999;181:116-25
- Matias A (see Montenegro et al). 1999;181:1042-3 (Letter)
- Matsuda T, Okuyama K, Cho K, Hoshi N, Matsumoto Y, Kobayashi Y, Fujimoto S. Induction of antenatal periventricular leukomalacia by hemorrhagic hypotension in the chronically instrumented fetal sheep. 1999;181:725-30
- Matsumoto Y (see Matsuda et al). 1999;181:725-30
- Mattar FM (see Witlin et al). 1999;181:1118-21
- May WL (see Larmon et al). 1999;181:1432-7
- May WL (see Perry et al). 1999;181:1057-61
- Maymon E, Ghezzi F, Edwin SS, Mazor M, Yoon BH, Gomez R, Romero R. The tumor necrosis factor  $\alpha$  and its soluble receptor profile in term and preterm parturition. 1999;181:1142-8
- Maymon E (see Athayde et al). 1999;181:989-94
- Mazor M (see Maymon et al). 1999;181:1142-8
- Mazza V (see Falcinelli et al). 1999;181:675-80
- McClure ME (see Longo et al). 1999;181:934-9 (Clin. opinion)
- McCowan LME (see Keelan et al). 1999;181:1530-6
- McDuffie RS (see Davies et al). 1999;181:803-8
- McElrath TF (see Robinson et al). 1999;181:1180-4
- McIntyre JA (see Thaler et al). 1999;181:460-7
- McLean M, Bisits A, Davies J, Walters W, Hackshaw A, De Voss K, Smith R. Predicting risk of preterm delivery by second-trimester measurement of maternal plasma corticotropin-releasing hormone and  $\alpha$ -fetoprotein concentrations. 1999;181:207-15
- McLean SA (see Fanning et al). 1999;181:1382-5
- McNellis D, Alexander D. New opportunities for researchers in obstetrics and gynecology through programs supported by the National Institute of Child Health and Human Development. 1999;181:221-5 (Education)
- McNellis D (see Hogg et al). 1999;181:1096-101
- McNellis D (see Mercer et al). 1999;181:1216-21
- McNellis D (see Mercer et al). 1999;181:1582 (Letter reply)
- Meckstroth KR (see Jain et al). 1999;181:1386-91
- Meirinho M (see Nunes et al). 1999;181:626-9
- Meis P (see Hogg et al). 1999;181:1096-101
- Meis PJ (see Mercer et al). 1999;181:1216-21
- Mellemkjaer L (see Olsen et al). 1999;181:630-4
- Menard MK (see Mercer et al). 1999;181:1216-21
- Menticoglou S (see Dayal et al). 1999;181:1231-6
- Mercer BM, Carr TL, Beazley DD, Crouse DT, Sibai BM. Antibiotic use in pregnancy and drug-resistant infant sepsis. 1999;181:816-21
- Mercer BM, Goldenberg RL, Moawad AH, Meis PJ, Iams JD, Das AF, Caritis SN, Miodovnik M, Menard MK, Thurnau GR, Dombrowski MP, Roberts JM, McNellis D, National Institute of Child Health and Human Development Maternal-Fetal Medicine Units Network. The Preterm Prediction Study: effect of gestational age and cause of preterm birth on subsequent obstetric outcome. 1999;181:1216-21
- Mercer BM, MacPherson CA, McNellis D, National Institute of Child Health and Human Development Maternal-Fetal Medicine Units Network. Incidence of morbidity. 1999;181:1582 (Letter reply)
- Mercer BM (see Abramovici et al). 1999;181:1108-12
- Merrill JD (see Banks et al). 1999;181:709-17
- Michie S (see Marteau et al). 1999;181:165-9
- Miedzybrodzka ZH (see Marteau et al). 1999;181:165-9
- Mildenberger E, Siegel G, Versmold HT. Oxygen-dependent regulation of membrane potential and vascular tone of human umbilical vein. 1999;181:696-700
- Milia S (see Brizzi et al). 1999;181:430-4
- Miller JH, Weinberg RK, Canino NL, Klein NA, Soules MR. The pattern of infertility diagnoses in women of advanced reproductive age. 1999;181:952-7
- Miller KB (see Richter et al). 1999;181:940-4
- Min L (see Luke et al). 1999;181:1172-9
- Minkiewicz SF (see Towers et al). 1999;181:1197-202
- Miodovnik M (see Hogg et al). 1999;181:1096-101
- Miodovnik M (see Mercer et al). 1999;181:1216-21
- Mirhashemi R, Averette HE, Deepika K, Estape R, Angioli R, Martin J, Rodriguez M, Penalver MA. The impact of intraoperative autologous blood transfusion during type III radical hysterectomy for early-stage cervical cancer. 1999;181:1310-6
- Mishell DR Jr (see Jain et al). 1999;181:1386-91
- Mishell DR Jr (see Nash et al). 1999;181:1400-6
- Mishima M, Yano T, Jimbo H, Yano N, Morita Y, Yoshikawa H, Schally AV, Taketani Y. Inhibition of human endometrial cancer cell growth in vitro and in vivo by somatostatin analog RC-160. 1999;181:583-90
- Misiunas R (see Luke et al). 1999;181:1172-9

- Miskry T, Davies A, Magos AL. Laparoscopically assisted vaginal hysterectomy compared with total abdominal hysterectomy. 1999;181:1580-1 (Letter)
- Mitchell BF (see Verma et al). 1999;181:701-8
- Mitchell MD (see Keelan et al). 1999;181:1530-6
- Mizutani T, Sugihara A, Nakamuro K, Suehara N, Terada N. The gonadotropin-releasing hormone agonist leuprolide acetate induces apoptosis and suppresses cell proliferative activity in rectovaginal endometriosis. 1999;181:750-1
- Moawad AH (see Mercer et al). 1999;181:1216-21
- Moise KJ Jr (see Baumgartner et al). 1999;181:848-52
- Mol BWJ, Hajenius PJ, Engelsbel S, Ankum WM, Hemrika DJ, Van der Veen F, Bossuyt PMM. Treatment of tubal pregnancy in The Netherlands: an economic comparison of systemic methotrexate administration and laparoscopic salpingostomy. 1999;181:945-51
- Mollenhauer J (see FitzGerald et al). 1999;181:1339-46
- Molnár M, Rigó J, Romero R, Hertelendy F. Oxytocin activates mitogen-activated protein kinase and up-regulates cyclooxygenase-2 and prostaglandin production in human myometrial cells. 1999;181:42-9
- Molnár M (see Belt et al). 1999;181:359-66
- Monaghan JM (see Weeks et al). 1999;181:25-30
- Monga M, Campbell DF, Sanborn BM. Oxytocin-stimulated capacitative calcium entry in human myometrial cells. 1999;181:424-9
- Monk BJ (see Tewari et al). 1999;181:91-8
- Montenegro N, Matias A, Areias JC. Ductus venosus blood flow evaluation: its importance in the screening of chromosomal abnormalities. 1999;181:1042-3 (Letter)
- Moon PF, Ramsay MM, Nathanielsz PW. Intravenous infusion of magnesium sulfate and regional redistribution of fetal blood flow during maternal hemorrhage in late-gestation gravid ewes. 1999;181:1486-94
- Moore TR (see Sohl et al). 1999;181:898-903
- Morales WJ, Dickey SS, Bornick P, Lim DV. Change in antibiotic resistance of group B *Streptococcus*: impact on intrapartum management. 1999;181:310-4
- Morales WJ (see Angel et al). 1999;181:253-9
- Morales WJ (see Quintero et al). 1999;181:744-9
- Moran C, Potter HD, Reyna R, Boots LR, Azziz R. Prevalence of 3 $\beta$ -hydroxysteroid dehydrogenase-deficient nonclassic adrenal hyperplasia in hyperandrogenic women with adrenal androgen excess. 1999;181:596-600
- Morgan MA (see Banks et al). 1999;181:709-17
- Morgan MA (see Macones et al). 1999;181:1414-8
- Morgan S (see Bracero et al). 1999;181:1254-8
- Morita Y (see Mishima et al). 1999;181:583-90
- Morris JA (see Skarsgard et al). 1999;181:440-5
- Morrison GD (see Eva et al). 1999;181:99-102
- Morrison JC (see Larmon et al). 1999;181:1432-7
- Moser F (see Tamussino et al). 1999;181:1347-52
- Moyer P (see Zhang et al). 1999;181:1407-13
- Moyer TP (see Ogburn et al). 1999;181:736-43
- Mudd SH (see Vargas et al). 1999;181:753-5
- Mussalli GM (see Dayal et al). 1999;181:1231-6
- Mutone NF (see Magrina et al). 1999;181:376-81
- Myers ER, Steege JF. Risk adjustment for complications of hysterectomy: limitations of routinely collected administrative data. 1999;181:567-75

N

- Naessens A (see Foulon et al). 1999;181:843-7
- Nageotte MP (see Tewari et al). 1999;181:757-8
- Nagy B (see Ban et al). 1999;181:1040-1 (Letter)
- Nakamuro K (see Mizutani et al). 1999;181:750-1

- Nash HA, Alvarez-Sanchez F, Mishell DR Jr, Fraser IS, Maruo T, Harmon TM. Estradiol-delivering vaginal rings for hormone replacement therapy. 1999;181:1400-6
- Nastic D (see Radunovic et al). 1999;181:170-3
- Natale N (see Quadri et al). 1999;181:12-8
- Natarajan P, Shennan AH, Penny J, Halligan AW, de Swiet M, Anthony J. Comparison of auscultatory and oscillometric automated blood pressure monitors in the setting of preeclampsia. 1999;181:1203-10
- Nathanielsz PW (see Anwar et al). 1999;181:663-8
- Nathanielsz PW (see Moon et al). 1999;181:1486-94
- Nathanielsz PW (see Wu et al). 1999;181:1512-9
- National Institute of Child Health and Human Development Maternal-Fetal Medicine Units Network (see Mercer et al). 1999;181:1216-21
- National Institute of Child Health and Human Development Maternal-Fetal Medicine Units Network (see Mercer et al). 1999;181:1582 (Letter reply)
- Natrajan PK, Soumakis K, Gambrell RD Jr. Estrogen replacement therapy in women with previous breast cancer. 1999;181:288-95
- Ndinya-Achola JO (see Bukusi et al). 1999;181:1374-81
- Neely C (see Owen et al). 1999;181:780-3
- Neerhof MG, Haney EI, Silver RK. Premature rupture of membranes. 1999;181:1275 (Letter reply)
- Nelson AM (see Sutton et al). 1999;181:656-62
- Nelson RL (see Danilenko-Dixon et al). 1999;181:798-802
- Neri C (see Falcinelli et al). 1999;181:675-80
- Ness RB (see Lain et al). 1999;181:1192-6
- Newman RB (see Brost et al). 1999;181:1222-4
- Newman RB (see Scardo et al). 1999;181:862-6
- Newman RB (see Vermillion and Newman). 1999;181:1083-6
- Newman RB (see Vermillion et al). 1999;181:858-61
- Nguyen M (see Ross et al). 1999;181:835-42
- Nguyen T (see Panting-Kemp et al). 1999;181:1079-82
- Nicholls T, Nitsos I, Walker DW. Tryptophan metabolism in pregnant sheep: increased fetal kynurenine production in response to maternal tryptophan loading. 1999;181:1452-60
- Nicholson JM. Induction of labor and cesarean section. 1999;181:1273-4 (Letter)
- Niemand I (see Boomgaard et al). 1999;181:964-7
- Niggemann B (see Chen et al). 1999;181:1461-4
- Nijhuis JG (see van Walsum et al). 1999;181:1537-45
- Nisell H (see Belfort et al). 1999;181:402-7
- Nitsos I (see Nicholls et al). 1999;181:1452-60
- Noorwali F (see von Dadelszen et al). 1999;181:408-14
- Norman J (see Thomson et al). 1999;181:770 (Letter)
- North American Levonorgestrel Study Group (see Archer et al). 1999;181:539-44
- North American Thyrotropin-Releasing Hormone Study Group (see Banks et al). 1999;181:709-17
- Northen A (see Owen et al). 1999;181:780-3
- Norton PA (see Thorp et al). 1999;181:266-73
- Norwitz ER (see Robinson et al). 1999;181:1180-4
- Nowicki BJ (see Fang et al). 1999;181:601-9
- Nsuami M (see Sutton et al). 1999;181:656-62
- Nunes F, Rodrigues R, Meirinho M. Randomized comparison between intravaginal misoprostol and dinoprostone for cervical ripening and induction of labor. 1999;181:626-9
- Nwosu CR (see Khan et al). 1999;181:112-5
- Nwosu CR (see Khan et al). 1999;181:503-7 (Education)

O

- Oberpichler A (see Winkler et al). 1999;181:153-8
- O'Brien FB (see Archer et al). 1999;181:539-44

- O'Brien JE (see Yaron et al). 1999;181:968-74  
 Occhino A (see Hopkins et al). 1999;181:1329-34  
 Oehler MK (see Sütterlin et al). 1999;181:216-20  
 Oei SG (see De Groot et al). 1999;181:975-80  
 Oeseburg B (see van Walsum et al). 1999;181:1537-45  
 Offord KP (see Ogburn et al). 1999;181:736-43  
 Ogburn PL Jr, Hurt RD, Croghan IT, Schroeder DR, Ramin KD, Offord KP, Moyer TP. Nicotine patch use in pregnant smokers: nicotine and cotinine levels and fetal effects. 1999;181:736-43  
 Ogburn PL Jr (see Danilenko-Dixon et al). 1999;181:798-802  
 Okatani Y (see Wakatsuki et al). 1999;181:731-5  
 Okawa T, Vedernikov YP, Saade GR, Longo M, Olson GL, Chwalisz K, Garfield RE. Roles of potassium channels and nitric oxide in modulation of uterine contractions in rat pregnancy. 1999;181:649-55  
 Okawa T (see Syal et al). 1999;181:415-8  
 Okun NB (see Verma et al). 1999;181:701-8  
 Okuyama K (see Matsuda et al). 1999;181:725-30  
 Olsen JH, Mellekjær L, Gridley G, Brinton L, Johansen C, Kjaer SK. Molar pregnancy and risk for cancer in women and their male partners. 1999;181:630-4  
 Olson GL, Saade GR, Buhimschi I, Chwalisz K, Garfield RE. The effect of an endothelin antagonist on blood pressure in a rat model of preeclampsia. 1999;181:638-41  
 Olson GL (see Okawa et al). 1999;181:649-55  
 O'Reilly-Green CP, Divon MY. Receiver operating characteristic curves of ultrasonographic estimates of fetal weight for prediction of fetal growth restriction in prolonged pregnancies. 1999;181:1133-8  
 O'Sullivan MJ (see Diro et al). 1999;181:247-52  
 Otterstetter R, Szymanski LM, Kamimori GH, Kessler CM, Gold MR, Fernhall B. Hemostatic responses to maximal exercise in oral contraceptive users. 1999;181:958-63  
 Ouzounian JG (see Gherman et al). 1999;181:1271-2 (Letter reply)  
 Owen J, Neely C, Norten A. Transperineal versus endovaginal ultrasonographic examination of the cervix in the midtrimester: a blinded comparison. 1999;181:780-3  
 Owen J (see Richter et al). 1999;181:940-4  
 Owen J (see Rouse and Owen). 1999;181:332-8 (Clin. opinion)  
 Owen J (see Wenstrom et al). 1999;181:887-92  
 Oz U (see Bahado-Singh et al). 1999;181:929-33
- P
- Pacora P (see Athayde et al). 1999;181:989-94  
 Pagano M (see Leviton et al). 1999;181:1007-17  
 Paneth N (see Leviton et al). 1999;181:1007-17  
 Panting-Kemp A, Nguyen T, Chang E, Quillen E, Castro L. Idiopathic polyhydramnios and perinatal outcome. 1999;181:1079-82  
 Paoletti LC (see Davies et al). 1999;181:803-8  
 Paolini CL (see Ronzoni et al). 1999;181:477-83  
 Paradisi G (see Caruso et al). 1999;181:768-9 (Letter)  
 Pardi G (see Barbera et al). 1999;181:174-9  
 Pardi G (see Ronzoni et al). 1999;181:477-83  
 Parer JT (see Banks et al). 1999;181:709-17  
 Parilla BV (see Grobman and Parilla). 1999;181:1139-41  
 Park JS (see Yoon et al). 1999;181:773-9  
 Park JS (see Yoon et al). 1999;181:784-8  
 Park KH (see Yoon et al). 1999;181:784-8  
 Parkash V (see Hsu and Parkash). 1999;181:770 (Letter reply)  
 Parkington HC, Tonta MA, Brennecke SP, Coleman HA. Contractile activity, membrane potential, and cytoplasmic calcium concentration in human uterine smooth muscle in the third trimester of pregnancy and during labor. 1999;181:1445-51  
 Parodo J (see von Dadelszen et al). 1999;181:408-14  
 Patel D (see Gilles et al). 1999;181:226 (Letter)  
 Pattillo R (see Emory et al). 1999;181:S2-11 (Symposium)  
 Pattillo RA. Threatened pregnancy: environment and reproduction at risk—overview. 1999;181:S1 (Symposium)  
 Paul R (see Hogg et al). 1999;181:1096-101  
 Paul S. Comment on reduced consumption of maternal red blood cells in alloimmunized fetus compared with that of volunteers is still questionable. 1999;181:229 (Letter)  
 Peers KHE (see Luks et al). 1999;181:995-6  
 Peipert JF, Hogan JW, Gifford D, Chase E, Randall R. Strength of indication for cesarean delivery: comparison of private physician versus resident service labor management. 1999;181:435-9  
 Peipert JF (see Boardman et al). 1999;181:1395-9  
 Penalver MA (see Mirhashemi et al). 1999;181:1310-6  
 Penny J (see Natarajan et al). 1999;181:1203-10  
 Perrone S (see Buonocore et al). 1999;181:1500-5  
 Perry KG Jr, Rinehart BK, Terrone DA, Martin RW, May WL, Roberts WE. Second-trimester uterine evacuation: a comparison of intra-amniotic (15S)-15-methyl-prostaglandin F<sub>2α</sub> and intravaginal misoprostol. 1999;181:1057-61  
 Peters-Muller ERA (see van Baal et al). 1999;181:1365-73  
 Petitti D (see Lonky et al). 1999;181:560-6  
 Pfizenmaier M (see Fourn et al). 1999;181:1102-7  
 Pieber D (see Tamussino et al). 1999;181:1347-52  
 Piedmonte MR (see Weber et al). 1999;181:530-5  
 Pina-Vaz C (see Rodrigues et al). 1999;181:367-70  
 Pinkerton JV (see Finnerty et al). 1999;181:296-303  
 Pinon J-M (see Foulon et al). 1999;181:843-7  
 Pitkin RM (see Power et al). 1999;181:1560-9 (AJOG reviews)  
 Plante M (see Roy and Plante). 1999;181:230 (Letter reply)  
 Podratz KC (see Ramsey and Podratz). 1999;181:542-6  
 Polaneczky M. Norplant implants and condom use. 1999;181:1270 (Letter)  
 Polcaro J, Divon MY, Bentolila E, Rashbaum WK, Lyman WD. Transplantation of CD34 human cells into mice with severe combined immunodeficiency results in functional T cells 4 weeks after transplantation. 1999;181:80-6  
 Pollak A (see Foulon et al). 1999;181:843-7  
 Pollard JK (see Ravasia et al). 1999;181:877-81  
 Porter WE, Steele A, Walsh P, Kohli N, Karram MM. The anatomic and functional outcomes of defect-specific rectocele repairs. 1999;181:1353-9  
 Postawski K (see Rechberger et al). 1999;181:509-10 (Letter reply)  
 Poston L (see Anwar et al). 1999;181:663-8  
 Poston L (see Lakasing et al). 1999;181:180-9  
 Poston R (see Lakasing et al). 1999;181:180-9  
 Potter HD (see Moran et al). 1999;181:596-600  
 Power GG (see Suzuki and Power). 1999;181:681-7  
 Power ML, Heaney RP, Kalkwarf HJ, Pitkin RM, Repke JT, Tsang RC, Schulkin J. The role of calcium in health and disease. 1999;181:1560-9 (AJOG reviews)  
 Powers RW (see Lain et al). 1999;181:1192-6  
 Powrie RO, Larson L, Rosene-Montella K, Abarca M, Barbour L, Trujillo N. Alveolar-arterial oxygen gradient in acute pulmonary embolism in pregnancy (1998;178:394-6). 1999;181:510 (Correction)  
 Prasad PD (see Kenney et al). 1999;181:491-7  
 Puangsricharn A (see Diro et al). 1999;181:247-52  
 Puddu L (see Brizzi et al). 1999;181:430-4  
 Pun TC, Lee CP, Lao TT. The Preterm Prediction Study: recurrence risk of spontaneous preterm birth (1998;178:1104-5) (Letter). 1999;181:510 (Correction)  
 Puri M (see Zhang et al). 1999;181:1407-13  
 Puthawala A (see Tewari et al). 1999;181:91-8  
 Putzenlechner C (see Herbeck et al). 1999;181:763-4



Q

- Quadri G, Magatti F, Belloni C, Barisani D, Natale N, Marshall-Marchetti-Krantz urethropexy and Burch colposuspension for stress urinary incontinence in women with low pressure and hypermobility of the urethra: early results of a prospective randomized clinical trial. 1999;181:12-8
- Quillen E (see Panting-Kemp et al). 1999;181:1079-82
- Quintero RA, Morales WJ, Allen M, Bornick PW, Arroyo J, LeParc G. Treatment of iatrogenic previable premature rupture of membranes with intra-amniotic injection of platelets and cryoprecipitate (amniopatch): preliminary experience. 1999;181:744-9

R

- Radunovic N, Kuczynski E, Rebarber A, Nastic D, Lockwood CJ. Neopterin concentrations in fetal and maternal blood: a marker of cell-mediated immune activation. 1999;181:170-3
- Ralph G (see Tamussino et al). 1999;181:1347-52
- Ramin KD (see Ogburn et al). 1999;181:736-43
- Ramirez MM (see Jeffray et al). 1999;181:1546-51
- Ramsay MM (see Moon et al). 1999;181:1486-94
- Ramsey PS, Podratz KC. Acute pancreatitis after gynecologic and obstetric surgery. 1999;181:542-6
- Ramzy A-M (see Aboulghar et al). 1999;181:371-5
- Rand JH, Wu X-X, Guller S, Scher J, Andree HAM, Lockwood CJ. Antiphospholipid immunoglobulin G antibodies reduce annexin-V levels on syncytiotrophoblast apical membranes and in culture media of placental villi (1997;177:918-23). 1999;181:201 (Correction)
- Randall R (see Peipert et al). 1999;181:435-9
- Ranheim T (see Staff et al). 1999;181:1211-5
- Ranzi A (see Falcinelli et al). 1999;181:675-80
- Rao ChV (see Kurtzman et al). 1999;181:853-7
- Rao PV (see Cushing et al). 1999;181:353-8
- Rashbaum WK (see Polcaro et al). 1999;181:80-6
- Rasmussen C (see Angel et al). 1999;181:253-9
- Rath W (see Kemp et al). 1999;181:615-20
- Rath W (see Winkler et al). 1999;181:153-8
- Ravasia DJ, Brain PH, Pollard JK. Incidence of uterine rupture among women with müllerian duct anomalies who attempt vaginal birth after cesarean delivery. 1999;181:877-81
- Raybon RB (see Bowers et al). 1999;181:1335-8
- Rayburn WF (see Coleman et al). 1999;181:1166-71
- Rebarber A (see Radunovic et al). 1999;181:170-3
- Rechberger T, Postawski K, Woessner JF Jr. Collagen cross-linking in patients with urinary incontinence. 1999;181:509-10 (Letter reply)
- Reece EA (see Wiznitzer and Reece). 1999;181:1039-40 (Letter reply)
- Regnault TRH (see Galan et al). 1999;181:1149-53
- Reid WMN (see Eva et al). 1999;181:99-102
- Reilly M (see Bukusi et al). 1999;181:1374-81
- Reisman H, Martin D, Gast MJ. A multicenter randomized comparison of cycle control and laboratory findings with oral contraceptive agents containing 100 micrograms levonorgestrel with 20 micrograms ethinyl estradiol or triphasic norethindrone with ethinyl estradiol. 1999;181:S45-52
- Reiss I (see Baschat et al). 1999;181:190-5
- Repke JT (see Caughey et al). 1999;181:872-6
- Repke JT (see Power et al). 1999;181:1560-9 (AJOG reviews)
- Repke JT (see Zelop et al). 1999;181:882-6
- Rescorla F (see Cushing et al). 1999;181:353-8
- Reuss ML (see Leviton et al). 1999;181:1007-17
- Rey E, Attié C, Bonin A. The effects of first-trimester diabetes control on the incidence of macrosomia. 1999;181:202-6
- Reyna R (see Moran et al). 1999;181:596-600
- Reynolds TB (see Castro et al). 1999;181:389-95
- Richardson B (see Kawagoe et al). 1999;181:1520-9
- Richman VV. Setting goals for reductions in Canadian cesarean delivery rates: benchmarking medical practice patterns. 1999;181:635-7
- Richter HE, Holley RL, Andrews WW, Owen J, Miller KB. The association of interleukin 6 with clinical and laboratory parameters of acute pelvic inflammatory disease. 1999;181:940-4
- Rigano S (see Barbera et al). 1999;181:174-9
- Rigano S (see Galan et al). 1999;181:1149-53
- Rigo J Jr (see Ban et al). 1999;181:1040-1 (Letter)
- Rigó J (see Molnár et al). 1999;181:42-9
- Rinehart BK, Terrone DA, Lagoo-Deenadayalan S, Barber WH, Hale EA, Martin JN Jr, Bennett WA. Expression of the placental cytokines tumor necrosis factor  $\alpha$ , interleukin  $1\beta$ , and interleukin 10 is increased in preeclampsia. 1999;181:915-20
- Rinehart BK (see Isler et al). 1999;181:924-8
- Rinehart BK (see Perry et al). 1999;181:1057-61
- Rinne K (see Bahado-Singh et al). 1999;181:929-33
- Ritchie JWK (see von Dadelszen et al). 1999;181:408-14
- Rivera R, Yacobson I, Grimes D. The mechanism of action of hormonal contraceptives and intrauterine contraceptive devices. 1999;181:1263-9 (AJOG reviews)
- Roberts J (see Hogg et al). 1999;181:1096-101
- Roberts JM (see Lain et al). 1999;181:1192-6
- Roberts JM (see Mercer et al). 1999;181:1216-21
- Roberts WE (see Perry et al). 1999;181:1057-61
- Robinson JN, Norwitz ER, Cohen AP, McElrath TF, Lieberman ES. Episiotomy, operative vaginal delivery, and significant perineal trauma in nulliparous women. 1999;181:1180-4
- Robson SC (see Anumba et al). 1999;181:1479-85
- Rock JA. Mentoring in gynecology. 1999;181:1293-5 (Pres. address)
- Rodis JF, Arky L, Egan JFX, Borgida AF, Leo MV, Campbell WA. Comprehensive fetal ultrasonographic growth measurements in triplet gestations. 1999;181:1128-32
- Rodis JF (see Feldman et al). 1999;181:1185-7
- Rodrigues AG, Márdh P-A, Pina-Vaz C, Martinez-de-Oliveira J, da Fonseca AF. Is the lack of concurrence of bacterial vaginosis and vaginal candidosis explained by the presence of bacterial amines? 1999;181:367-70
- Rodrigues R (see Nunes et al). 1999;181:626-9
- Rodriguez M (see Mirhashemi et al). 1999;181:1310-6
- Rogers RG (see Kammerer-Doak et al). 1999;181:1317-23
- Roman C (see Skarsgard et al). 1999;181:440-5
- Romero R (see Athayde et al). 1999;181:989-94
- Romero R (see Belt et al). 1999;181:359-66
- Romero R (see Maymon et al). 1999;181:1142-8
- Romero R (see Molnár et al). 1999;181:42-9
- Romero R (see Yoon et al). 1999;181:773-9
- Romero R (see Yoon et al). 1999;181:784-8
- Ronzoni S, Marconi AM, Cetin I, Paolini CL, Teng C, Pardi G, Battaglia FC. Umbilical amino acid uptake at increasing maternal amino acid concentrations: effect of a maternal amino acid infusate. 1999;181:477-83
- Roop KA, Brost BC. Abnormal presentation in labor and fetal growth of affected infants with type III Ehlers-Danlos syndrome. 1999;181:752-3
- Rose JC (see Block et al). 1999;181:498-502
- Rosendaal FR (see De Groot et al). 1999;181:975-80
- Ross BS (see Larmon et al). 1999;181:1432-7
- Ross MG, Downey CA, Bemis-Heys R, Nguyen M, Jacques DL, Stanziano G. Prediction by maternal risk factors of neonatal intensive care admissions: evaluation of >59,000 women in national managed care programs. 1999;181:835-42
- Rotstein OD (see von Dadelszen et al). 1999;181:408-14

- Rouse DJ, Owen J. Prophylactic cesarean delivery for fetal macrosomia diagnosed by means of ultrasonography—a Faustian bargain? 1999;181:332-8 (Clin. opinion)
- Roy M, Plante M. Pregnancy after radical vaginal trachelectomy. 1999;181:230 (Letter reply)
- Royer D (see Wax et al). 1999;181:755-6
- Royer L (see Diro et al). 1999;181:247-52
- Ruck P (see Winkler et al). 1999;181:153-8
- Rumney PJ (see Towers et al). 1999;181:1197-202
- Rutgers JKL (see Tewari et al). 1999;181:757-8
- Ruyssinck G (see Dhont et al). 1999;181:688-95
- S
- Saade G (see Andres et al). 1999;181:867-71
- Saade GR (see Belfort et al). 1999;181:402-7
- Saade GR (see Buhimschi et al). 1999;181:159-64
- Saade GR (see Longo et al). 1999;181:981-8
- Saade GR (see Okawa et al). 1999;181:649-55
- Saade GR (see Olson et al). 1999;181:638-41
- Saade GR (see Syal et al). 1999;181:415-8
- Saade GR (see Witlin et al). 1999;181:1118-21
- Sacks DA, Chen W, Greenspoon JS, Wolde-Tsadiq G. Should the same glucose values be targeted for type 1 as for type 2 diabetics in pregnancy? (1997;177:1113-9). 1999;181:231 (Correction)
- Sacks DA, Chen W, Wolde-Tsadiq G, Buchanan TA. When is fasting really fasting? The influence of time of day, interval after a meal, and maternal body mass on maternal glycemia in gestational diabetes. 1999;181:904-11
- Sadeghi M (see Lonky et al). 1999;181:560-6
- St. Louis ME (see Sutton et al). 1999;181:656-62
- Salles JP (see Kaczan-Bourgeois et al). 1999;181:1273 (Letter)
- Samura O (see Sekizawa et al). 1999;181:1237-42
- Sanborn BM (see Monga et al). 1999;181:424-9
- Sanchez-Ramos L, Kaunitz AM, Gaudier FL, Delke I. Efficacy of maintenance therapy after acute tocolysis: a meta-analysis. 1999;181:484-90
- Sanderovitz J (see Lissak et al). 1999;181:126-30
- Sanderson M (see Chauhan et al). 1999;181:1473-8
- Sarma RP (see Foster et al). 1999;181:S32-6 (Symposium)
- Sato TA (see Keelan et al). 1999;181:1530-6
- Sattar MA (see Aboulghar et al). 1999;181:371-5
- Sauer F (see Feldman et al). 1999;181:1185-7
- Scardo JA, Vermillion ST, Newman RB, Chauhan SP, Hogg BB. A randomized, double-blind, hemodynamic evaluation of nifedipine and labetalol in preeclamptic hypertensive emergencies. 1999;181:862-6
- Scardo JA (see Brost et al). 1999;181:1222-4
- Scardo JA (see Vermillion et al). 1999;181:858-61
- Schaefer A (see Alexander et al). 1999;181:513-7
- Schally AV (see Mishima et al). 1999;181:583-90
- Schemmer G (see Bohmer et al). 1999;181:283-7
- Schmidt W (see Alexander et al). 1999;181:513-7
- Scholten E. A novel correction of inverted nipples during pregnancy. 1999;181:228-9 (Letter)
- Schover LR (see Weber et al). 1999;181:530-5
- Schroeder DR (see Ogburn et al). 1999;181:736-43
- Schuiling GA, Faas MM. Etiology and pathogenesis of preeclampsia: current concepts. 1999;181:1036-7 (Letter)
- Schulkin J (see Power et al). 1999;181:1560-9 (AJOG reviews)
- Schwartz DB, Daoud Y, Zazula P, Goyert G, Bronsteen R, Wright D, Copes J. Gestational diabetes mellitus: metabolic and blood glucose parameters in singleton versus twin pregnancies. 1999;181:912-4
- Schwartz J (see Block et al). 1999;181:498-502
- Schwartz MA, Wang CC, Eckert LO, Critchlow CW. Risk factors for urinary tract infection in the postpartum period. 1999;181:547-53
- Scioscia AL (see Sohl et al). 1999;181:898-903
- Scott JR (see Lee et al). 1999;181:642-8
- Sedor FA (see Shelton et al). 1999;181:1259-62
- Seelbach-Göbel B (see Sütterlin et al). 1999;181:216-20
- Segel SY (see Macones et al). 1999;181:1414-8
- Sekizawa A, Samura O, Zhen DK, Falco V, Bianchi DW. Fetal cell recycling: diagnosis of gender and *RhD* genotype in the same fetal cell retrieved from maternal blood. 1999;181:1237-42
- Serour GI (see Aboulghar et al). 1999;181:371-5
- Seubert DE, Stetzer BP, Wolfe HM, Treadwell MC. Delivery of the marginally preterm infant: what are the minor morbidities? 1999;181:1087-91
- Shalhoub A (see Evans et al). 1999;181:893-7
- Sharon A (see Lissak et al). 1999;181:126-30
- Shaw KJ (see Castro et al). 1999;181:389-95
- Shelton SD, Fouse BL, Holleman CM, Sedor FA, Herbert WNP. Cardiac troponin T levels in umbilical cord blood. 1999;181:1259-62
- Shennan AH (see Natarajan et al). 1999;181:1203-10
- Shen-Schwarz S (see Guzman et al). 1999;181:793-7
- Sheth SS. A trial of vaginal route for hysterectomy. 1999;181:227-8 (Letter)
- Shipp TD (see Caughey et al). 1999;181:872-6
- Shipp TD (see Zelop et al). 1999;181:882-6
- Shott S (see Kenton et al). 1999;181:1360-4
- Shull BL. Pelvic organ prolapse: anterior, superior, and posterior vaginal segment defects. 1999;181:6-11 (Clin. opinion)
- Sibai B (see Hogg et al). 1999;181:1096-101
- Sibai BM. Too little, too late. 1999;181:508-9 (Letter reply)
- Sibai BM (see Abramovici et al). 1999;181:1108-12
- Sibai BM (see Dekker and Sibai). 1999;181:1037 (Letter reply)
- Sibai BM (see Egerman et al). 1999;181:921-3
- Sibai BM (see Mercer et al). 1999;181:816-21
- Sibai BM (see Witlin et al). 1999;181:1118-21
- Siddiqui D, Stiller RJ, Collins J, Laifer SA. Pregnancy outcome after successful external cephalic version. 1999;181:1092-5
- Siegel G (see Mildenberger et al). 1999;181:696-700
- Silver RK (see Neerhof et al). 1999;181:1275 (Letter reply)
- Silver RM (see Lee et al). 1999;181:642-8
- Sinei S (see Bukusi et al). 1999;181:1374-81
- Skarsgard ED, VanderWall KJ, Morris JA, Roman C, Heymann MA, Harrison MR. Effects of nitroglycerin and indomethacin on fetal-maternal circulation and on fetal cerebral blood flow and metabolism in sheep. 1999;181:440-5
- Skoll A (see Fouron et al). 1999;181:1102-7
- Smith D (see Bloch et al). 1999;181:760-1
- Smith D (see Foster et al). 1999;181:S32-6 (Symposium)
- Smith R (see McLean et al). 1999;181:207-15
- Smulian JC (see Vintzileos et al). 1999;181:1045-8
- Söderqvist G (see Lundström et al). 1999;181:348-52
- Sohl BD, Brace RA. Relationship between graded degrees of anemia and amniotic fluid volume in the ovine fetus. 1999;181:1552-9
- Sohl BD, Scioscia AL, Budorick NE, Moore TR. Utility of minor ultrasonographic markers in the prediction of abnormal fetal karyotype at a prenatal diagnostic center. 1999;181:898-903
- Sonesson S-E (see Fouron et al). 1999;181:1102-7
- Sonnemans H (see Tjalma et al). 1999;181:554-9
- Soper DE (see Vermillion et al). 1999;181:320-7
- Sorokin Y (see Hallak et al). 1999;181:1122-7
- Soules MR (see Miller et al). 1999;181:952-7
- Soumakis K (see Natarajan et al). 1999;181:288-95
- Sowter M (see Farquhar et al). 1999;181:525-9
- Spinnato JA (see Carr et al). 1999;181:822-7
- Spinnato JA (see Kurtzman et al). 1999;181:853-7
- Spitz IM (see Creinin and Spitz). 1999;181:1419-24

- Sprauve ME, Lindsay MK, Drews-Botsch CD, Graves W. Racial patterns in the effects of tobacco use on fetal growth. 1999;181:S22-7 (Symposium)
- Staff AC, Halvorsen B, Ranheim T, Henriksen T. Elevated level of free 8-iso-prostaglandin  $F_{2a}$  in the decidua basalis of women with preeclampsia. 1999;181:1211-5
- Stamilio DM (see Macones et al). 1999;181:1414-8
- Stanziano G (see Ross et al). 1999;181:835-42
- Steege JF (see Myers and Steege). 1999;181:567-75
- Steege EAP (see Luks et al). 1999;181:995-6
- Steele A (see Porter et al). 1999;181:1353-9
- Stehouwer CDA (see van Baal et al). 1999;181:1365-73
- Steinfeld JD (see Wax et al). 1999;181:755-6
- Sternberg M (see Sutton et al). 1999;181:656-62
- Stettler RW (see Brown et al). 1999;181:143-8
- Stetzer BP (see Seubert et al). 1999;181:1087-91
- Stevens CE (see Bukusi et al). 1999;181:1374-81
- Stevenson KR, Chohan HJ, Hartmann DM, Buchsbaum GM, Guzik DS. Lower urinary tract injury during the Burch procedure: is there a role for routine cystoscopy? 1999;181:35-8
- Stillier RJ (see Siddiqui et al). 1999;181:1092-5
- Stone J (see Evans et al). 1999;181:893-7
- Stray-Pedersen B (see Foulon et al). 1999;181:843-7
- Suehara N (see Mizutani et al). 1999;181:750-1
- Sugihara A (see Mizutani et al). 1999;181:750-1
- Sullivan A, Giudice T, Vavelidis F, Thiagarajah S. Choroid plexus cysts: is biochemical testing a valuable adjunct to targeted ultrasonography? 1999;181:260-5
- Sullivan MHF, Elder MG, de Swiet M. Too little, too late. 1999;181:508 (Letter)
- Sung F (see Emory et al). 1999;181:S2-11 (Symposium)
- Suriano K (see Towers et al). 1999;181:1243-9
- Susser M (see Leviton et al). 1999;181:1007-17
- Sütterlin MW, Seelbach-Göbel B, Oehler MK, Heupel M, Dietl J. Doppler ultrasonographic evidence of intrapartum brain-sparing effect in fetuses with low oxygen saturation according to pulse oximetry. 1999;181:216-20
- Sutton MY, Sternberg M, Nsami M, Behets F, Nelson AM, St. Louis ME. Trichomoniasis in pregnant human immunodeficiency virus-infected and human immunodeficiency virus-uninfected Congolese women: prevalence, risk factors, and association with low birth weight. 1999;181:656-62
- Suzuki S, Power GG. Role of adenosine in regulation of brain temperature in fetal sheep. 1999;181:681-7
- Syal A, Okawa T, Vedernikov Y, Chwalisz K, Saade GR, Garfield RE. Effect of placental tissue on inhibition of uterine contraction by nitric oxide donors. 1999;181:415-8
- Syed AMN (see Tewari et al). 1999;181:91-8
- Szymanski LM (see Otterstetter et al). 1999;181:958-63

T

- Tachon GJ (see Utian et al). 1999;181:71-9
- Taggart MJ (see Luckas et al). 1999;181:468-76
- Tailor A (see Timmerman et al). 1999;181:57-65
- Taketani Y (see Mishima et al). 1999;181:583-90
- Tamussino KF, Zivkovic F, Pieber D, Moser F, Haas J, Ralph G. Five-year results after anti-incontinence operations. 1999;181:1347-52
- Tan S-L (see Engmann et al). 1999;181:576-82
- Teixeira JMA, Glover V, Fisk NM. Acute cerebral redistribution in response to invasive procedures in the human fetus. 1999;181:1018-25
- Teng C (see Ronzoni et al). 1999;181:477-83
- tenHoopen C (see Howard et al). 1999;181:1506-11
- Terada N (see Mizutani et al). 1999;181:750-1
- Terrone DA (see Isler et al). 1999;181:924-8

- Terrone DA (see Perry et al). 1999;181:1057-61
- Terrone DA (see Rinehart et al). 1999;181:915-20
- Tewari K, Asrat T, Rutgers JKL, Nageotte MP. The evolution of linitis plastica as a consequence of advanced gastric carcinoma in pregnancy. 1999;181:757-8
- Tewari K, Cappuccini F, Syed AMN, Puthawala A, DiSaia PJ, Berman ML, Manetta A, Monk BJ. Interstitial brachytherapy in the treatment of advanced and recurrent vulvar cancer. 1999;181:91-8
- Thaler CJ, Labarrere CA, Hunt JS, McIntyre JA, Faulk WP. Unique epitopes of lactoferrin expressed in human cytotrophoblasts involved in immunologic reactions. 1999;181:460-7
- Thiagarajah S (see Sullivan et al). 1999;181:260-5
- Thiagarajah S (see Tompkins and Thiagarajah). 1999;181:304-9
- Thompson LP, Weiner CP. Effects of acute and chronic hypoxia on nitric oxide-mediated relaxation of fetal guinea pig arteries. 1999;181:105-11
- Thompson O (see Aquilina et al). 1999;181:131-6
- Thomson A, Greer I, Norman J. Immunolocalization of inducible nitric oxide synthase in human amnion. 1999;181:770 (Letter)
- Thorp JM Jr, Norton PA, Wall LL, Kuller JA, Eucker B, Wells E. Urinary incontinence in pregnancy and the puerperium: a prospective study. 1999;181:266-73
- Thurnau G (see Hogg et al). 1999;181:1096-101
- Thurnau GR (see Mercer et al). 1999;181:1216-21
- Timmerman D, Bourne TH, Taylor A, Collins WP, Verrelst H, Vandenbergh K, Vergote I. A comparison of methods for preoperative discrimination between malignant and benign adnexal masses: the development of a new logistic regression model. 1999;181:57-65
- Timsit J (see Lepercq et al). 1999;181:621-5
- Tjalma W, Sonnemans H, Weyler J, Van Marck E, Van Daele A, van Dam P. Angiogenesis in cervical intraepithelial neoplasia and the risk of recurrence. 1999;181:554-9
- Tjalma WAA (see van Dam et al). 1999;181:536-41
- Tolosa JE (see Berghella et al). 1999;181:809-15
- Tompkins MJ, Thiagarajah S. HELLP (hemolysis, elevated liver enzymes, and low platelet count) syndrome: the benefit of corticosteroids. 1999;181:304-9
- Tonolo G (see Brizzi et al). 1999;181:430-4
- Tonta MA (see Parkington et al). 1999;181:1445-51
- Torok O (see Babinszki et al). 1999;181:669-74
- Toth L (see Alexander et al). 1999;181:513-7
- Towers CV, Rumney PJ, Minkiewicz SF, Asrat T. Incidence of intrapartum maternal risk factors for identifying neonates at risk for early-onset group B streptococcal sepsis: a prospective study. 1999;181:197-202
- Towers CV, Suriano K, Asrat T. The capture rate of at-risk term newborns for early-onset group B streptococcal sepsis determined by a risk factor approach. 1999;181:1243-9
- Treadwell MC (see Seubert et al). 1999;181:1087-91
- Treasure OA (see Foster et al). 1999;181:S32-6 (Symposium)
- Tsodik GW (see Lonky et al). 1999;181:560-6
- Tsang RC (see Power et al). 1999;181:1560-9 (AJOG reviews)
- Tschesche H (see Winkler et al). 1999;181:153-8
- Tulipan N (see Bruner et al). 1999;181:1188-91
- Turner S (see Whitecar et al). 1999;181:19-24
- Twickler D (see Brown et al). 1999;181:143-8

U

- Unger JB. A persistent sinus tract from the vagina to the sacrum after treatment of mesh erosion by partial removal of a GORE-TEX Soft Tissue Patch. 1999;181:762-3
- Utian WH, Burry KA, Archer DF, Gallagher JC, Escalim Study Group, Boyett RL, Guy MP, Tachon GJ, Chadha-Boreham HK, Bouvet AA. Efficacy and safety of low, standard, and high dosages of an

estradiol transdermal system (Eslim) compared with placebo on vasomotor symptoms in highly symptomatic menopausal patients. 1999;181:71-9

## V

- van Baal WM, Kenemans P, Stehouwer CDA, Peters-Muller ERA, van Vugt JMG, van der Moeren MJ. Sequentially combined hormone replacement therapy reduces impedance to flow within the uterine and central retinal arteries in healthy postmenopausal women. 1999;181:1365-73
- Vance BJ (see Marx et al). 1999;181:1125-30
- Van Daele A (see Tjalma et al). 1999;181:554-9
- van Dam P (see Tjalma et al). 1999;181:554-9
- van Dam PA, DeCloedt J, Tjalma WAA, Buytaert P, Becquart D, Vergote IB. Trocar implantation metastasis after laparoscopy in patients with advanced ovarian cancer: can the risk be reduced? 1999;181:536-41
- van den Berg C (see Boomgaard et al). 1999;181:964-7
- Vandenbergh K (see Timmerman et al). 1999;181:57-65
- Van Der Meer F (see De Groot et al). 1999;181:975-80
- van der Moeren MJ (see van Baal et al). 1999;181:1365-73
- Van der Veen F (see Mol et al). 1999;181:945-51
- VanderWall KJ (see Skarsgard et al). 1999;181:440-5
- van der Wildt B (see Luks et al). 1999;181:995-6
- van de Ven CJM. Obstetric management in 219 cases of infants with hypoplastic left heart syndrome. 1999;181:226 (Letter reply)
- Van Dorsten JP (see Brost et al). 1999;181:1222-4
- Van Dorsten P (see Hogg et al). 1999;181:1096-101
- Van Hook JW (see Witlin et al). 1999;181:1118-21
- VanHorn LG (see Canterino et al). 1999;181:1049-51
- Van Marck E (see Tjalma et al). 1999;181:554-9
- Van Marter L (see Leviton et al). 1999;181:1007-17
- van Rensburg E (see Boomgaard et al). 1999;181:964-7
- van Vugt JMG (see van Baal et al). 1999;181:554-9
- van Walsum A-MvC, Heerschap A, Nijhuis JG, Oeseburg B, Jongsma HW. Hypoxia, the subsequent systemic metabolic acidosis, and their relationship with cerebral metabolite concentrations: an in vivo study in fetal lambs with proton magnetic resonance spectroscopy. 1999;181:1537-45
- Van Winter JT (see Danilenko-Dixon et al). 1999;181:798-802
- Vargas JE, Mudd SH, Waisbren SE, Levy HL. Maternal  $\gamma$ -cystathionase deficiency: absence of both teratogenic effects and pregnancy complications. 1999;181:753-5
- Varner MA (see Belfort et al). 1999;181:402-7
- Vasak E (see Bloch et al). 1999;181:760-1
- Vavelidis F (see Sullivan et al). 1999;181:260-5
- Vedernikov Y (see Syal et al). 1999;181:415-8
- Vedernikov YP (see Longo et al). 1999;181:981-8
- Vedernikov YP (see Okawa et al). 1999;181:649-55
- Veille J-C, Zaccaro D. Peripartum cardiomyopathy: summary of an international survey on peripartum cardiomyopathy. 1999;181:315-9
- Venkataramanan R (see Casele et al). 1999;181:1113-7
- Vergote I (see Timmerman et al). 1999;181:57-65
- Vergote IB (see van Dam et al). 1999;181:536-41
- Verma A, Okun NB, Maguire TO, Mitchell BF. Morbidity Assessment Index for Newborns: a composite tool for measuring newborn health. 1999;181:701-8
- Vermillion ST, Newman RB. Recent indomethacin tocolysis is not associated with neonatal complications in preterm infants. 1999;181:1083-6
- Vermillion ST, Scardo JA, Newman RB, Chauhan SP. A randomized, double-blind trial of oral nifedipine and intravenous labetalol in hypertensive emergencies of pregnancy. 1999;181:858-61
- Vermillion ST, Soper DE, Chasedunn-Roark J. Neonatal sepsis after betamethasone administration to patients with preterm premature rupture of membranes. 1999;181:320-7
- Vermillion ST (see Scardo et al). 1999;181:862-6
- Verrelst H (see Timmerman et al). 1999;181:57-65
- Verry J (see Farquhar et al). 1999;181:525-9
- Versmold HT (see Mildenerberger et al). 1999;181:696-700
- Villena I (see Foulon et al). 1999;181:843-7
- Villena-Heinsen CE (see Alexander et al). 1999;181:513-7
- Vinocur CD (see Cushing et al). 1999;181:353-8
- Vintzileos AM, Guzman ER, Smulian JC, Day-Salvatore DL, Knuppel RA. Indication-specific accuracy of second-trimester genetic ultrasonography for the detection of trisomy 21. 1999;181:1045-8
- Vintzileos AM (see Canterino et al). 1999;181:1049-51
- Vintzileos AM (see Guzman et al). 1999;181:793-7
- Visco AG, Weidner AC, Cundiff GW, Bump RC. Observed patient compliance with a structured outpatient bladder retraining program. 1999;181:1392-4
- Visco AG, Yamauchi M. Collagen cross-linking in patients with urinary incontinence. 1999;181:509 (Letter)
- Vitolins MZ (see Bland et al). 1999;181:1324-8
- Volpe A (see Falcinelli et al). 1999;181:675-80
- von Dadelszen P, Watson RWG, Noorwali F, Marshall JC, Parodo J, Farine D, Lye SJ, Ritchie JWK, Rotstein OD. Maternal neutrophil apoptosis in normal pregnancy, preeclampsia, and normotensive intrauterine growth restriction. 1999;181:408-14
- von Dehn D (see Chen et al). 1999;181:1461-4
- von Palffy Z (see Lundström et al). 1999;181:348-52
- von Schoultz B (see Lundström et al). 1999;181:348-52

## W

- Wade RV. Images, imagination and ideas: a perspective on the impact of ultrasonography on the practice of obstetrics and gynecology. 1999;181:235-9 (Pres. address)
- Waisbren SE (see Vargas et al). 1999;181:753-5
- Wakatsuki A, Okatani Y, Izumiya C, Ikenoue N. Effect of ischemia-reperfusion on xanthine oxidase activity in fetal rat brain capillaries. 1999;181:731-5
- Walker DW (see Nicholls et al). 1999;181:1452-60
- Walker JJ (see Weeks et al). 1999;181:25-30
- Wall LL (see Thorp et al). 1999;181:266-73
- Walsh P (see Porter et al). 1999;181:1353-9
- Walters MD (see Weber et al). 1999;181:530-5
- Walters W (see McLean et al). 1999;181:207-15
- Wang C-J, Lai C-H, Huang H-J, Hong J-H, Chou H-H, Huang K-G, Lin J-D. Recurrent cervical carcinoma after primary radical surgery. 1999;181:518-24
- Wang CC (see Schwartz et al). 1999;181:547-53
- Wapner RJ (see Berghella et al). 1999;181:809-15
- Wapner RJ (see Evans et al). 1999;181:893-7
- Ward K (see Craven and Ward). 1999;181:455-9
- Watson AL (see Burton et al). 1999;181:718-24
- Watson RWG (see von Dadelszen et al). 1999;181:408-14
- Wax JR, Royer D, Steinfeld JD, Ingardia CJ. Ultrasonographic diagnosis of thoracopagus conjoined twins in a monoamniotic triplet gestation. 1999;181:755-6
- Weaver AL (see Magrina et al). 1999;181:376-81
- Weber AM, Walters MD, Schover LR, Church JM, Piedmonte MR. Functional outcomes and satisfaction after abdominal hysterectomy. 1999;181:530-5
- Weeks AD, Massmann AG, Monaghan JM, Crowther D, Duffy SRG, Walker JJ, Figueroa JP. Decreasing estrogen in nonpregnant women lowers uterine myometrial type I nitric oxide synthase protein expression. 1999;181:25-30



- Weeks JW (see Lewis et al). 1999;181:1495-9  
Weetman RM (see Cushing et al). 1999;181:353-8  
Weidner AC (see Barber et al). 1999;181:87-90  
Weidner AC (see Visco et al). 1999;181:1392-4  
Weinberg RK (see Miller et al). 1999;181:952-7  
Weiner CP (see Baschat et al). 1999;181:190-5  
Weiner CP (see Thompson and Weiner). 1999;181:105-11  
Wells E (see Thorp et al). 1999;181:266-73  
Wenstrom KD, Descartes M, Franklin J, Cliver SP. A five-year experience with fragile X screening of high-risk gravid women. 1999;181:789-92  
Wenstrom KD, Owen J, Chu DC, Boots L. Prospective evaluation of free  $\beta$ -subunit of human chorionic gonadotropin and dimeric inhibin A for aneuploidy detection. 1999;181:887-92  
Wesol AB (see Kammerer-Doak et al). 1999;181:1317-23  
Westgate JA, Bennet L, Gunn AJ. Fetal seizures causing increased heart rate variability during terminal fetal hypoxia. 1999;181:765-6  
Westgren M (see Kruger et al). 1999;181:1072-8  
Weyl BP. How to increase the proportion of vaginal hysterectomies—bipolar coagulation. 1999;181:768 (Letter)  
Weyler J (see Tjalma et al). 1999;181:554-9  
Wheless CR Jr (see Bowers et al). 1999;181:1335-8  
White S (see Kawagoe et al). 1999;181:1520-9  
Whitcar P, Turner S, Higby K. Adnexal masses in pregnancy: a review of 130 cases undergoing surgical management. 1999;181:19-24  
Wiebe ER. Oral methotrexate compared with injected methotrexate when used with misoprostol for abortion. 1999;181:149-52  
Wiesenfeld HC, Macio I. The infrequent use of office-based diagnostic tests for vaginitis. 1999;181:39-41  
Wilczek B (see Lundström et al). 1999;181:348-52  
Wilkins I (see Andres et al). 1999;181:867-71  
Williams KP, Wilson S. Persistence of cerebral hemodynamic changes in patients with eclampsia: a report of three cases. 1999;181:1162-5  
Wilson J (see Lust et al). 1999;181:419-23  
Wilson S (see Williams and Wilson). 1999;181:1162-5  
Wing DA. Labor induction with misoprostol. 1999;181:339-45 (Clin. opinion)  
Wingate CB (see Geary and Wingate). 1999;181:S17-21 (Symposium)  
Winkler M, Oberpichler A, Tschesche H, Ruck P, Fischer D-C, Rath W. Collagenolysis in the lower uterine segment during parturition at term: correlations with stage of cervical dilatation and duration of labor. 1999;181:153-8  
Witkin SS (see Jeremias and Witkin). 1999;181:591-5  
Witlin A (see Andres et al). 1999;181:867-71  
Witlin AG, Mattar FM, Saade GR, Van Hook JW, Sibai BM. Presentation of venous thromboembolism during pregnancy. 1999;181:1118-21  
Wiznitzer A, Reece EA. A flawed experiment, again. 1999;181:1039-40 (Letter reply)  
Woelkers DA (see Casele et al). 1999;181:1113-7  
Woessner JF Jr (see Rechberger et al). 1999;181:509-10 (Letter reply)  
Wolde-Tsadik G (see Sacks et al). 1999;181:904-11

- Wolfe HM (see Seubert et al). 1999;181:1087-91  
Wray S (see Luckas et al). 1999;181:468-76  
Wright D (see Schwartz et al). 1999;181:912-4  
Wu WX, Ma XH, Nathanielsz PW. Tissue-specific ontogenic expression of prostaglandin H synthase 2 in the ovine myometrium, endometrium, and placenta during late gestation and at spontaneous term labor. 1999;181:1512-9

Y

- Yacobson I (see Rivera et al). 1999;181:1263-9 (AJOG reviews)  
Yallampalli C (see Fang et al). 1999;181:601-9  
Yamauchi M (see Visco and Yamauchi). 1999;181:509 (Letter)  
Yano N (see Mishima et al). 1999;181:583-90  
Yano T (see Mishima et al). 1999;181:583-90  
Yared M (see Belfort et al). 1999;181:402-7  
Yaron Y, Cherry M, Kramer RL, O'Brien JE, Hallak M, Johnson MP, Evans MI. Second-trimester maternal serum marker screening: maternal serum  $\alpha$ -fetoprotein,  $\beta$ -human chorionic gonadotropin, estriol, and their various combinations as predictors of pregnancy outcome. 1999;181:968-74  
Yeast JD. Induction of labor and cesarean section. 1999;181:1274 (Letter reply)  
Yoon BH, Kim YA, Romero R, Kim JC, Park KH, Kim MH, Park JS. Association of oligohydramnios in women with preterm premature rupture of membranes with an inflammatory response in fetal, amniotic, and maternal compartments. 1999;181:784-8  
Yoon BH, Romero R, Kim KS, Park JS, Ki SH, Kim BI, Jun JK. A systemic fetal inflammatory response and the development of bronchopulmonary dysplasia. 1999;181:773-9  
Yoon BH (see Athayde et al). 1999;181:989-94  
Yoon BH (see Maymon et al). 1999;181:1142-8  
Yoshikawa H (see Mishima et al). 1999;181:583-90  
Young RL, DelConte A. Effects of low-dose monophasic levonorgestrel with ethinyl estradiol preparation on serum lipid levels: a twenty-four-month clinical trial. 1999;181:S59-62

Z

- Zaccaro D (see Veille and Zaccaro). 1999;181:315-9  
Zaino RJ (see Creasman et al). 1999;181:31-4  
Zazula P (see Schwartz et al). 1999;181:912-4  
Zelop CM, Shipp TD, Repke JT, Cohen A, Caughey AB, Lieberman E. Uterine rupture during induced or augmented labor in gravid women with one prior cesarean delivery. 1999;181:882-6  
Zelop CM (see Caughey et al). 1999;181:872-6  
Zhang J, Klebanoff MA, Levine RJ, Puri M, Moyer P. The puzzling association between smoking and hypertension during pregnancy. 1999;181:1407-13  
Zhang J (see Massmann et al). 1999;181:116-25  
Zhen DK (see Sekizawa et al). 1999;181:1237-42  
Zimmerman MJ (see Kurtzman et al). 1999;181:853-7  
Zivkovic F (see Tamussino et al). 1999;181:1347-52  
Zlatnik F (see Andres et al). 1999;181:867-71  
Zolnoun D (see Howard et al). 1999;181:1506-11  
Zupi E (see Marana and Zupi). 1999;181:1581 (Letter reply)

## Subject index\*

### A

#### Abdomen

Determinants of abdominal circumference (Bernstein and Catalano). 1999;181:1038 (Letter)

#### Abdominal hysterectomy; see Hysterectomy

#### Abnormalities

Labor and delivery characteristics and risks of cranial ultrasonographic abnormalities among very-low-birth-weight infants (Hansen et al). 1999;181:997-1006

May-Hegglin anomaly and uncomplicated vaginal delivery: a report of 41 cases (Bizzaro). 1999;181:226-7 (Letter)

The performance of routine ultrasonographic screening of pregnancies in the Eurofetus Study (Grandjean et al). 1999;181:446-54

Prospective evaluation of free  $\beta$ -subunit of human chorionic gonadotropin and dimeric inhibin A for aneuploidy detection (Wenstrom et al). 1999;181:887-92

A review of the effects of hazardous waste on reproductive health (Johnson). 1999;181:S12-6 (Symposium)

Utility of minor ultrasonographic markers in the prediction of abnormal fetal karyotype at a prenatal diagnostic center (Sohl et al). 1999;181:898-903

#### Abortion

Aggressive perinatal care for high-order multiple gestations: does good perinatal outcome justify aggressive assisted reproductive techniques? (Angel et al). 1999;181:253-9

Different placentation patterns in viable compared with nonviable tubal pregnancy suggest a divergent clinical management (Kemp et al). 1999;181:615-20

Early pregnancy termination with intravaginally administered sodium chloride solution-moistened misoprostol tablets: historical comparison with mifepristone and oral misoprostol (Jain et al). 1999;181:1386-91

Oral methotrexate compared with injected methotrexate when used with misoprostol for abortion (Wiebe). 1999;181:149-52

Second-trimester uterine evacuation: a comparison of intra-amniotic (15S)-15-methyl-prostaglandin  $F_{2\alpha}$  and intravaginal misoprostol (Perry et al). 1999;181:1057-61

Selective termination for structural, chromosomal, and mendelian anomalies: international experience (Evans et al). 1999;181:893-7

Use of various ultrasonographic criteria to evaluate the efficacy of mifepristone and misoprostol for medical abortion (Creinin and Spitz). 1999;181:1419-24

\*July, 1-234, S1-S36; August, 235-512; September, 513-772; October, 773-1044; November, part 1, 1045-1278; part 2, S37-S66; December, 1279-1650.

#### Abortion, habitual

Anti- $\beta_2$ -glycoprotein I antibodies in women with recurrent spontaneous abortion, unexplained fetal death, and antiphospholipid syndrome (Lee et al). 1999;181:642-8

#### Abortion, spontaneous

Anti- $\beta_2$ -glycoprotein I antibodies in women with recurrent spontaneous abortion, unexplained fetal death, and antiphospholipid syndrome (Lee et al). 1999;181:642-8

Epidemiology of miscarriage and its relation to other reproductive events in Finland (Hemminki and Forssas). 1999;181:396-401

Polymorphism for mutation of cytosine to thymine at location 677 in the methylenetetrahydrofolate reductase gene is associated with recurrent early fetal loss (Lissak et al). 1999;181:126-30

The relationship between placental histology and cervical ultrasonography in women at risk for pregnancy loss and spontaneous preterm birth (Guzman et al). 1999;181:793-7

#### Acidemia

Nucleated red blood cells as a marker of acidemia in term neonates (Hanlon-Lundberg and Kirby). 1999;181:196-201

#### Acidosis

Hypoxia, the subsequent systemic metabolic acidosis, and their relationship with cerebral metabolite concentrations: an in vivo study in fetal lambs with proton magnetic resonance spectroscopy (van Walsum et al). 1999;181:1537-45

#### Adenocarcinoma

Diethylstilbestrol and adenocarcinoma of the vagina (Herbst). 1999;181:1576-8 (Classic pages)

Significance of true surgical pathologic staging: a Gynecologic Oncology Group study (Creasman et al). 1999;181:31-4

#### Adenosine

Role of adenosine in regulation of brain temperature in fetal sheep (Suzuki and Power). 1999;181:681-7

#### Adenosine triphosphate

Roles of potassium channels and nitric oxide in modulation of uterine contractions in rat pregnancy (Okawa et al). 1999;181:649-55

#### Adhesions

Hyaluronic acid-carboxymethylcellulose film and perianastomotic adhesions in previously irradiated rats (Bowers et al). 1999;181:1335-8

#### Administration, cutaneous

Efficacy and safety of low, standard, and high dosages of an estradiol transdermal system (Esclim) compared with placebo on vasomotor symptoms in highly symptomatic menopausal patients (Utian et al). 1999;181:71-9

#### Administration, inhalation

Management of labor in Eisenmenger syndrome with inhaled nitric oxide (Lust et al). 1999;181:419-23

#### Administration, intravaginal

- Early pregnancy termination with intravaginally administered sodium chloride solution-moistened misoprostol tablets: historical comparison with mifepristone and oral misoprostol (Jain et al). 1999;181:1386-91
- Randomized comparison between intravaginal misoprostol and dinoprostone for cervical ripening and induction of labor (Nunes et al). 1999;181:626-9
- Second-trimester uterine evacuation: a comparison of intra-amniotic (15S)-15-methyl-prostaglandin  $F_{2\alpha}$  and intravaginal misoprostol (Perry et al). 1999;181:1057-61

#### Administration, oral

- Early pregnancy termination with intravaginally administered sodium chloride solution-moistened misoprostol tablets: historical comparison with mifepristone and oral misoprostol (Jain et al). 1999;181:1386-91
- Effects of human immunodeficiency virus 1 infection on microbial origins of pelvic inflammatory disease and on efficacy of ambulatory oral therapy (Bukusi et al). 1999;181:1374-81
- Maintenance of oral nifedipine for preterm labor: a randomized clinical trial (Carr et al). 1999;181:822-7
- Oral methotrexate compared with injected methotrexate when used with misoprostol for abortion (Wiebe). 1999;181:149-52
- Oral nicardipine versus intravenous magnesium sulfate for the treatment of preterm labor (Larmon et al). 1999;181:1432-7
- A randomized comparison of oral misoprostol versus Foley catheter and oxytocin for induction of labor at term (Abramovici et al). 1999;181:1108-12
- A randomized, double-blind trial of oral nifedipine and intravenous labetalol in hypertensive emergencies of pregnancy (Vermillion et al). 1999;181:858-61

#### Adnexal diseases

- Adnexal masses in pregnancy: a review of 130 cases undergoing surgical management (Whitecar et al). 1999;181:19-24
- A comparison of methods for preoperative discrimination between malignant and benign adnexal masses: the development of a new logistic regression model (Timmerman et al). 1999;181:57-65

#### Adnexitis

- The association of interleukin 6 with clinical and laboratory parameters of acute pelvic inflammatory disease (Richter et al). 1999;181:940-4
- Effects of human immunodeficiency virus 1 infection on microbial origins of pelvic inflammatory disease and on efficacy of ambulatory oral therapy (Bukusi et al). 1999;181:1374-81

#### Adolescence

- Norplant implants and condom use (Polaneczky) (Letter); (Darney) (Reply). 1999;181:1270
- Surgical resection alone is effective treatment for ovarian immature teratoma in children and adolescents: a report of the Pediatric Oncology Group and the Children's Cancer Group (Cushing et al). 1999;181:353-8

#### Adrenal cortex hormones

- Antenatal corticosteroids and cranial ultrasonographic abnormalities (Leviton et al). 1999;181:1007-17
- Effect of prenatal betamethasone administration on maternal and fetal corticosteroid-binding globulin concentrations (Jeffrey et al). 1999;181:1546-51

HELLP (hemolysis, elevated liver enzymes, and low platelet count) syndrome: the benefit of corticosteroids (Tompkins and Thiagarajah). 1999;181:304-9

Multiple courses of antenatal corticosteroids and outcome of premature neonates (Banks et al). 1999;181:709-17

#### Adrenal hyperplasia

Prevalence of 3 $\beta$ -hydroxysteroid dehydrogenase-deficient non-classic adrenal hyperplasia in hyperandrogenic women with adrenal androgen excess (Moran et al). 1999;181:596-600

#### Adrenocorticotrophic hormone

Maturation of cortisol responses to adrenocorticotrophic hormone in twin fetal sheep in vivo (Block et al). 1999;181:498-502

#### Age factors

The pattern of infertility diagnoses in women of advanced reproductive age (Miller et al). 1999;181:952-7

#### AJOG reviews

AJOG reviews. 1999;181:1026-35, 1263-9, 1560-9

#### Algesiometer; see Equipment and supplies

#### Allograft; see Transplantation, homologous

#### Alpha fetoproteins

- Predicting risk of preterm delivery by second-trimester measurement of maternal plasma corticotropin-releasing hormone and  $\alpha$ -fetoprotein concentrations (McLean et al). 1999;181:207-15
- Second-trimester maternal serum marker screening: maternal serum  $\alpha$ -fetoprotein,  $\beta$ -human chorionic gonadotropin, estriol, and their various combinations as predictors of pregnancy outcome (Yaron et al). 1999;181:968-74

#### Ambulatory care

- Effects of human immunodeficiency virus 1 infection on microbial origins of pelvic inflammatory disease and on efficacy of ambulatory oral therapy (Bukusi et al). 1999;181:1374-81
- Observed patient compliance with a structured outpatient bladder retraining program (Visco et al). 1999;181:1392-4

#### The American Board of Obstetrics and Gynecology, Inc

- New certifications: subspecialty of Gynecologic Oncology. 1999;181:1591-2
- New certifications: subspecialty of Maternal-Fetal Medicine. 1999;181:1592-3
- New certifications: subspecialty of Reproductive Endocrinology/Infertility. 1999;181:1593
- Renewal/voluntary recertifications: principal specialty. 1999;181:1589-9

#### American Diabetes Association

- Universal versus selective gestational diabetes screening: application of 1997 American Diabetes Association recommendations (Danilenko-Dixon et al). 1999;181:798-802

#### American Urogynecologic Society

- Use of the Pelvic Organ Prolapse staging system of the International Continence Society, American Urogynecologic Society, and Society of Gynecologic Surgeons in perimenopausal women (Bland et al). 1999;181:1324-8

#### Amines

- The infrequent use of office-based diagnostic tests for vaginitis (Wiesenfeld and Macio). 1999;181:39-41
- Is the lack of concurrence of bacterial vaginosis and vaginal candidosis explained by the presence of bacterial amines? (Rodrigues et al). 1999;181:367-70

**Amino acids**

Umbilical amino acid uptake at increasing maternal amino acid concentrations: effect of a maternal amino acid infusate (Ronconi et al). 1999;181:477-83

**Amniocentesis**

Treatment of iatrogenic previable premature rupture of membranes with intra-amniotic injection of platelets and cryoprecipitate (amniopatch): preliminary experience (Quintero et al). 1999;181:744-9

**Amnion**

Association of oligohydramnios in women with preterm premature rupture of membranes with an inflammatory response in fetal, amniotic, and maternal compartments (Yoon et al). 1999;181:784-8

Immunolocalization of inducible nitric oxide synthase in human amnion (Thomson et al) (Letter); (Hsu and Parkash) (Reply). 1999;181:770

**Amniotic fluid**

Effect of fetal presentation on the amniotic fluid index (Brost et al). 1999;181:1222-4

Gelatin sponge plug to seal fetoscopy port sites: technique in ovine and primate models (Luks et al). 1999;181:995-6

Idiopathic polyhydramnios and perinatal outcome (Panting-Kemp et al). 1999;181:1079-82

Nerve growth factor, brain-derived neurotrophic factor, and neurotrophin-3 levels in human amniotic fluid (Marx et al). 1999;181:1125-30

Perinatal outcome and amniotic fluid index in the antepartum and intrapartum periods: a meta-analysis (Chauhan et al). 1999;181:1473-8

Relationship between graded degrees of anemia and amniotic fluid volume in the ovine fetus (Sohl and Brace). 1999;181:1552-9

**Anatomy**

The anatomic and functional outcomes of defect-specific rectocele repairs (Porter et al). 1999;181:1353-9

Enriching research culture in residency (Al-Hendy) (Letter); (DeLancey) (Reply). 1999;181:1271

**Androgens**

Prevalence of 3 $\beta$ -hydroxysteroid dehydrogenase-deficient non-classic adrenal hyperplasia in hyperandrogenic women with adrenal androgen excess (Moran et al). 1999;181:596-600

**Anemia**

Relationship between graded degrees of anemia and amniotic fluid volume in the ovine fetus (Sohl and Brace). 1999;181:1552-9

**Anemia, hemolytic**

Severe immune hemolytic anemia associated with prophylactic use of cefotetan in obstetric and gynecologic procedures (Garratty et al). 1999;181:103-4

**Anesthesia, epidural**

Safety of labor epidural anesthesia for women with severe hypertensive disease (Hogg et al). 1999;181:1096-101

**Anesthetics, local**

A randomized, controlled trial of a eutectic mixture of local anesthetic cream (lidocaine and prilocaine) versus penile nerve block for pain relief during circumcision (Howard et al). 1999;181:1506-11

**Aneuploidy**

Prospective evaluation of free  $\beta$ -subunit of human chorionic gonadotropin and dimeric inhibin A for aneuploidy detection (Wenstrom et al). 1999;181:887-92

Utility of minor ultrasonographic markers in the prediction of abnormal fetal karyotype at a prenatal diagnostic center (Sohl et al). 1999;181:898-903

**Aneurysm**

Ruptured splenic artery aneurysm during pregnancy: a rare case with both maternal and fetal survival (Herbeck et al). 1999;181:763-4

**Angiogenesis; see Neovascularization****Annexin II**

Expression of annexin II and associated p11 protein by differentiated choriocarcinoma Jar cells (Kaczan-Bourgeois et al). 1999;181:1273 (Letter)

**Annexin V**

Expression of annexin II and associated p11 protein by differentiated choriocarcinoma Jar cells (Kaczan-Bourgeois et al). 1999;181:1273 (Letter)

Normal expression of tissue factor, thrombomodulin, and annexin V in placentas from women with antiphospholipid syndrome (Lakasing et al). 1999;181:180-9

**Anoxia**

Effects of acute and chronic hypoxia on nitric oxide-mediated relaxation of fetal guinea pig arteries (Thompson and Weiner). 1999;181:105-11

Fetal seizures causing increased heart rate variability during terminal fetal hypoxia (Westgate et al). 1999;181:765-6

Hypoxia, the subsequent systemic metabolic acidosis, and their relationship with cerebral metabolite concentrations: an in vivo study in fetal lambs with proton magnetic resonance spectroscopy (van Walsum et al). 1999;181:1537-45

Role of adenosine in regulation of brain temperature in fetal sheep (Suzuki and Power). 1999;181:681-7

**Anti- $\beta_2$ -glycoprotein; see Glycoproteins****Antibiotic resistance**

Antibiotic use in pregnancy and drug-resistant infant sepsis (Mercer et al). 1999;181:816-21

Change in antibiotic resistance of group B *Streptococcus*: impact on intrapartum management (Morales et al). 1999;181:310-4

**Antibodies**

Anti- $\beta_2$ -glycoprotein I antibodies in women with recurrent spontaneous abortion, unexplained fetal death, and antiphospholipid syndrome (Lee et al). 1999;181:642-8

**Antibodies, monoclonal**

Monoclonal antibody MAb-170 for immunoscintigraphic detection of ovarian tumors (Alexander et al). 1999;181:513-7

**Antigenic determinants**

Unique epitopes of lactoferrin expressed in human cytotrophoblasts involved in immunologic reactions (Thaler et al). 1999;181:460-7

**Antigens, tumor-associated, carbohydrate**

A comparison of methods for preoperative discrimination between malignant and benign adnexal masses: the development of a new logistic regression model (Timmerman et al). 1999;181:57-65

**Antiphospholipid syndrome**

Anti- $\beta_2$ -glycoprotein I antibodies in women with recurrent spontaneous abortion, unexplained fetal death, and antiphospholipid syndrome (Lee et al). 1999;181:642-8

Normal expression of tissue factor, thrombomodulin, and annexin V in placentas from women with antiphospholipid syndrome (Lakasing et al). 1999;181:180-9

**Anus**

A prospective cohort study of women after primary repair of obstetric anal sphincter laceration (Kammerer-Doak et al). 1999;181:1317-23



## **Aorta**

Relationship between flow through the fetal aortic isthmus and cerebral oxygenation during acute placental circulatory insufficiency in ovine fetuses (Fouron et al). 1999;181:1102-7

## **Apgar score**

Perinatal outcome and amniotic fluid index in the antepartum and intrapartum periods: a meta-analysis (Chauhan et al). 1999;181:1473-8

## **Apoptosis**

The gonadotropin-releasing hormone agonist leuprolide acetate induces apoptosis and suppresses cell proliferative activity in rectovaginal endometriosis (Mizutani et al). 1999;181:750-1

Maternal neutrophil apoptosis in normal pregnancy, preeclampsia, and normotensive intrauterine growth restriction (von Dadelszen et al). 1999;181:408-14

## **Arteries**

A comparative study of vascular responsiveness of myometrial and omental small resistance arteries in late-gestation sheep (Anwar et al). 1999;181:663-8

Effects of acute and chronic hypoxia on nitric oxide-mediated relaxation of fetal guinea pig arteries (Thompson and Weiner). 1999;181:105-11

Neonatal nucleated red blood cell counts in growth-restricted fetuses: relationship to arterial and venous Doppler studies (Baschat et al). 1999;181:190-5

Stimulated nitric oxide release and nitric oxide sensitivity in forearm arterial vasculature during normotensive and preeclamptic pregnancy (Anumba et al). 1999;181:1479-85

## **Artificial insemination; see Insemination, artificial**

## **Asbestos**

Correlation of asbestos fiber burdens in fallopian tubes and ovarian tissue (Heller et al). 1999;181:346-7

## **Asphyxia neonatorum**

Association between umbilical blood gas parameters and neonatal morbidity and death in neonates with pathologic fetal acidemia (Andres et al). 1999;181:867-71

## **Aspirin**

Too little, too late (Sullivan et al) (Letter); (Sibai) (Reply). 1999;181:508-9

## **Atrioventricular septal defect; see Heart septal defects, atrial**

## **Auscultation**

Comparison of auscultatory and oscillometric automated blood pressure monitors in the setting of preeclampsia (Natarajan et al). 1999;181:1203-10

## **Authorship**

A controlled analysis of authorship trends over two decades (Khan et al). 1999;181:503-7 (Education)

## **Autologous blood transfusion; see Blood transfusion, autologous**

# **B**

## **Bacterial amines; see Amines**

## **Bacterial vaginosis; see Vaginosis, bacterial**

## **Behavior**

Behavioral changes in developing mice after prenatal exposure to paroxetine (Paxil) (Coleman et al). 1999;181:1166-71

Neurobehavioral effects of low-level lead exposure in human neonates (Emory et al). 1999;181:S2-11 (Symposium)

## **Betamethasone**

Effect of prenatal betamethasone administration on maternal and

fetal corticosteroid-binding globulin concentrations (Jeffray et al). 1999;181:1546-51

Neonatal sepsis after betamethasone administration to patients with preterm premature rupture of membranes (Vermillion et al). 1999;181:320-7

## **Biochemical markers**

Choroid plexus cysts: is biochemical testing a valuable adjunct to targeted ultrasonography? (Sullivan et al). 1999;181:260-5

## **Biophysical profile; see Fetal monitoring**

## **Biopsy**

Positive cone biopsy specimen margins in women infected with the human immunodeficiency virus (Boardman et al). 1999;181:1395-9

## **Bladder**

Observed patient compliance with a structured outpatient bladder retraining program (Visco et al). 1999;181:1392-4

## **Bladder diseases**

Accuracy of clinical assessment of paravaginal defects in women with anterior vaginal wall prolapse (Barber et al). 1999;181:87-90

## **Bleeding; see Hemorrhage**

## **Blood**

Fetal cell recycling: diagnosis of gender and *RhD* genotype in the same fetal cell retrieved from maternal blood (Sekizawa et al). 1999;181:1237-42

First-trimester fetal sex prediction by deoxyribonucleic acid analysis of maternal peripheral blood (Falcinelli et al). 1999;181:675-80

Neopterin concentrations in fetal and maternal blood: a marker of cell-mediated immune activation (Radunovic et al). 1999;181:170-3

## **Blood cell count**

Neonatal nucleated red blood cell counts in growth-restricted fetuses: relationship to arterial and venous Doppler studies (Baschat et al). 1999;181:190-5

Nucleated red blood cell count at birth as an index of perinatal brain damage (Buonocore et al). 1999;181:1500-5

## **Blood circulation**

Effects of nitroglycerin and indomethacin on fetal-maternal circulation and on fetal cerebral blood flow and metabolism in sheep (Skarsgard et al). 1999;181:440-5

Maternal arterial connections to the placental intervillous space during the first trimester of human pregnancy: the Boyd Collection revisited (Burton et al). 1999;181:718-24

Syncytiotrophoblastic fragments in first-trimester decidual veins: evidence of placental perfusion by the maternal circulation early in pregnancy (Craven and Ward). 1999;181:455-9

## **Blood coagulation**

The effects of a low-dose monophasic preparation of levonorgestrel and ethinyl estradiol on coagulation and other hemostatic factors (Archer et al). 1999;181:S63-6

Erythrocyte life span, preeclampsia, and hypercoagulability (Lurie and Glezerman) (Letter); (Kaibara) (Reply). 1999;181:1276-7

How to increase the proportion of vaginal hysterectomies—bipolar coagulation (Weyl). 1999;181:768 (Letter)

## **Blood flow velocity**

Ductus venosus blood flow evaluation: its importance in the screening of chromosomal abnormalities (Montenegro et al) (Letter); (Borrell and Fortuny) (Reply). 1999;181:1042-3

**Blood flow velocity—cont'd**

Effects of nitroglycerin and indomethacin on fetal-maternal circulation and on fetal cerebral blood flow and metabolism in sheep (Skarsgard et al). 1999;181:440-5

Intravenous infusion of magnesium sulfate and regional redistribution of fetal blood flow during maternal hemorrhage in late-gestation gravid ewes (Moon et al). 1999;181:1486-94

Relationship between flow through the fetal aortic isthmus and cerebral oxygenation during acute placental circulatory insufficiency in ovine fetuses (Fouron et al). 1999;181:1102-7

Relationship of umbilical vein blood flow to growth parameters in the human fetus (Barbera et al). 1999;181:174-9

Umbilical vein blood flow determination in the ovine fetus: comparison of Doppler ultrasonographic and steady-state diffusion techniques (Galan et al). 1999;181:1149-53

**Blood gas analysis**

Association between umbilical blood gas parameters and neonatal morbidity and death in neonates with pathologic fetal acidemia (Andres et al). 1999;181:867-71

Nucleated red blood cells as a marker of acidemia in term neonates (Hantlon-Lundberg and Kirby). 1999;181:196-201

**Blood glucose**

Gestational diabetes mellitus: metabolic and blood glucose parameters in singleton versus twin pregnancies (Schwartz et al). 1999;181:912-4

**Blood platelets**

Treatment of iatrogenic previable premature rupture of membranes with intra-amniotic injection of platelets and cryoprecipitate (amniopatch): preliminary experience (Quintero et al). 1999;181:744-9

**Blood pressure**

The effect of chronic nitric oxide synthase inhibition on blood pressure and heart rate in unrestrained pregnant rats as recorded by radiotelemetry (Buhimschi et al). 1999;181:159-64

The effect of an endothelin antagonist on blood pressure in a rat model of preeclampsia (Olson et al). 1999;181:638-41

**Blood pressure monitors**

Comparison of auscultatory and oscillometric automated blood pressure monitors in the setting of preeclampsia (Natarajan et al). 1999;181:1203-10

**Blood transfusion, autologous**

The impact of intraoperative autologous blood transfusion during type III radical hysterectomy for early-stage cervical cancer (Mirhashemi et al). 1999;181:1310-6

**Blood transfusion, intrauterine**

Acute cerebral redistribution in response to invasive procedures in the human fetus (Teixeira et al). 1999;181:1018-25

**Blood vessels**

Oxygen-dependent regulation of membrane potential and vascular tone of human umbilical vein (Mildenberger et al). 1999;181:696-700

**Body mass index**

When is fasting really fasting? The influence of time of day, interval after a meal, and maternal body mass on maternal glycemia in gestational diabetes (Sacks et al). 1999;181:904-11

**Body temperature regulation**

Reduced thermoregulatory null zone in postmenopausal women with hot flashes (Freedman and Krell). 1999;181:66-70

**Bone and bones**

The role of calcium in health and disease (Power et al). 1999;181:1560-9 (AJOG reviews)

**Books**

Books received. 1999;181:1583-8

**Brachial plexus**

Brachial plexus palsy: an in utero injury? (Allen) (Letter); (Gherman et al) (Reply). 1999;181:1271-2

**Brachytherapy**

Interstitial brachytherapy in the treatment of advanced and recurrent vulvar cancer (Tewari et al). 1999;181:91-8

**Brain**

Change in estimated cerebral perfusion pressure after treatment with nimodipine or magnesium sulfate in patients with preeclampsia (Belfort et al). 1999;181:402-7

Doppler ultrasonographic evidence of intrapartum brain-sparing effect in fetuses with low oxygen saturation according to pulse oximetry (Sütterlin et al). 1999;181:216-20

Effect of ischemia-reperfusion on xanthine oxidase activity in fetal rat brain capillaries (Wakatsuki et al). 1999;181:731-5

Effects of nitroglycerin and indomethacin on fetal-maternal circulation and on fetal cerebral blood flow and metabolism in sheep (Skarsgard et al). 1999;181:440-5

Hypoxia, the subsequent systemic metabolic acidosis, and their relationship with cerebral metabolite concentrations: an in vivo study in fetal lambs with proton magnetic resonance spectroscopy (van Walsum et al). 1999;181:1537-45

Relationship between flow through the fetal aortic isthmus and cerebral oxygenation during acute placental circulatory insufficiency in ovine fetuses (Fouron et al). 1999;181:1102-7

Role of adenosine in regulation of brain temperature in fetal sheep (Suzuki and Power). 1999;181:681-7

**Brain, abnormalities**

Acute cerebral redistribution in response to invasive procedures in the human fetus (Teixeira et al). 1999;181:1018-25

Antenatal corticosteroids and cranial ultrasonographic abnormalities (Leviton et al). 1999;181:1007-17

Labor and delivery characteristics and risks of cranial ultrasonographic abnormalities among very-low-birth-weight infants (Hansen et al). 1999;181:997-1006

**Brain damage**

Fetal rat brain damage caused by maternal seizure activity: prevention by magnesium sulfate (Hallak et al). 1999;181:828-34

Nucleated red blood cell count at birth as an index of perinatal brain damage (Buonocore et al). 1999;181:1500-5

**Brain death**

Cerebral arteriovenous malformation in pregnancy: presentation and neurologic, obstetric, and ethical significance (Finnerty et al). 1999;181:296-303

**Brain diseases**

Induction of antenatal periventricular leukomalacia by hemorrhagic hypotension in the chronically instrumented fetal sheep (Matsuda et al). 1999;181:725-30

**Breast**

Mammographic breast density during hormone replacement therapy: differences according to treatment (Lundström et al). 1999;181:348-52

### Breast feeding

A novel correction of inverted nipples during pregnancy (Scholten). 1999;181:228-9 (Letter)

### Breast neoplasms

Estrogen replacement therapy in women with previous breast cancer (Natrajan et al). 1999;181:288-95

### Breech presentation

Singleton term breech deliveries in nulliparous and multiparous women: a 5-year experience at The University of Miami/Jackson Memorial Hospital (Diro et al). 1999;181:247-52

### Bronchopulmonary dysplasia

A systemic fetal inflammatory response and the development of bronchopulmonary dysplasia (Yoon et al). 1999;181:773-9

**Burch colposuspension; see Vagina, surgery**

## C

### Calcium

Contractile activity, membrane potential, and cytoplasmic calcium concentration in human uterine smooth muscle in the third trimester of pregnancy and during labor (Parkington et al). 1999;181:1445-51

Intracellular calcium stores and agonist-induced contractions in isolated human myometrium (Luckas et al). 1999;181:468-76

Oxytocin-stimulated capacitative calcium entry in human myometrial cells (Monga et al). 1999;181:424-9

The role of calcium in health and disease (Power et al). 1999;181:1560-9 (AJOG reviews)

### Canada

Setting goals for reductions in Canadian cesarean delivery rates: benchmarking medical practice patterns (Richman). 1999;181:635-7

### Candida albicans

Is the lack of concurrence of bacterial vaginosis and vaginal candidosis explained by the presence of bacterial amines? (Rodriguez et al). 1999;181:367-70

### Candy

Jelly beans as an alternative to a fifty-gram glucose beverage for gestational diabetes screening (Lamar et al). 1999;181:1154-7

### Cannabinoids

Cannabinoid receptors and their role in the regulation of the serotonin transporter in human placenta (Kenney et al). 1999;181:491-7

### Capillaries

Effect of ischemia-reperfusion on xanthine oxidase activity in fetal rat brain capillaries (Wakatsuki et al). 1999;181:731-5

### Carbachol

Intracellular calcium stores and agonist-induced contractions in isolated human myometrium (Luckas et al). 1999;181:468-76

### Carbon dioxide

The effects of carbon dioxide pneumoperitoneum on seeding of tumor in port sites in a rat model (Hopkins et al). 1999;181:1329-34

### Carbon monoxide

Effect of nitric oxide and carbon monoxide on uterine contractility during human and rat pregnancy (Longo et al). 1999;181:981-8

### Carboxymethylcellulose

Hyaluronic acid-carboxymethylcellulose film and perianastomotic adhesions in previously irradiated rats (Bowers et al). 1999;181:1335-8

### Carcinoma

Effect of human seminal fluid on production of messenger ribonucleic acid for metalloproteinase 2 and metalloproteinase 9 in cervical epithelial carcinoma cells (Jeremias and Witkin). 1999;181:591-5

The evolution of linitis plastica as a consequence of advanced gastric carcinoma in pregnancy (Tewari et al). 1999;181:757-8

Monoclonal antibody MAb-170 for immunoscintigraphic detection of ovarian tumors (Alexander et al). 1999;181:513-7

Recurrent cervical carcinoma after primary radical surgery (Wang et al). 1999;181:518-24

### Cardiomyopathies; see Myocardial diseases

**Carrier; see Heterozygote**

### Catheterization

A randomized comparison of oral misoprostol versus Foley catheter and oxytocin for induction of labor at term (Abramovici et al). 1999;181:1108-12

### Cefotetan

Severe immune hemolytic anemia associated with prophylactic use of cefotetan in obstetric and gynecologic procedures (Garratty et al). 1999;181:103-4

**Cell-mediated immunity; see Immunity, cellular**

### Cells

Expression of annexin II and associated p11 protein by differentiated choriocarcinoma Jar cells (Kaczan-Bourgeois et al). 1999;181:1273 (Letter)

Fetal cell recycling: diagnosis of gender and *RhD* genotype in the same fetal cell retrieved from maternal blood (Sekizawa et al). 1999;181:1237-42

Transplantation of CD34 human cells into mice with severe combined immunodeficiency results in functional T cells 4 weeks after transplantation (Polcaro et al). 1999;181:80-6

### Centers for Disease Control and Prevention

Change in antibiotic resistance of group B *Streptococcus*: impact on intrapartum management (Morales et al). 1999;181:310-4

### Cephalosporins

Severe immune hemolytic anemia associated with prophylactic use of cefotetan in obstetric and gynecologic procedures (Garratty et al). 1999;181:103-4

### Cerebral arteriovenous malformations

Cerebral arteriovenous malformation in pregnancy: presentation and neurologic, obstetric, and ethical significance (Finnerty et al). 1999;181:296-303

**Cerebrum; see Brain**

**Cervical pregnancy; see Pregnancy, cervical**

### Cervicitis

Cervical wet mount as a negative predictor for gonococci- and *Chlamydia trachomatis*-induced cervicitis in a gravid population (Bohmer et al). 1999;181:283-7

Vaginitis, cervicitis, and cervical length in pregnancy (Boomgaard et al). 1999;181:964-7

### Cervix

The association of interleukin 6 with clinical and laboratory parameters of acute pelvic inflammatory disease (Richter et al). 1999;181:940-4

Cervical length and dilatation of the internal cervical os detected by vaginal ultrasonography as markers for preterm delivery: a systematic review (Leitich et al). 1999;181:1465-72

**Cervix—cont'd**

- Collagenolysis in the lower uterine segment during parturition at term: correlations with stage of cervical dilatation and duration of labor (Winkler et al). 1999;181:153-8
- The relationship between placental histology and cervical ultrasonography in women at risk for pregnancy loss and spontaneous preterm birth (Guzman et al). 1999;181:793-7
- Transperineal versus endovaginal ultrasonographic examination of the cervix in the third trimester: a blinded comparison (Owen et al). 1999;181:780-3
- Vaginitis, cervicitis, and cervical length in pregnancy (Boomgaard et al). 1999;181:964-7

**Cervix dysplasia**

- The clinical significance of the poor correlation of cervical dysplasia and cervical malignancy with referral cytologic results (Lonky et al). 1999;181:560-6

**Cervix incompetence**

- Cervical incompetence: elective, emergent, or urgent cerclage (Kurup and Goldkrand). 1999;181:240-6
- Prediction of preterm delivery with transvaginal ultrasonography of the cervix in patients with high-risk pregnancies: does cerclage prevent prematurity? (Berghella et al). 1999;181:809-15

**Cervix neoplasms**

- Angiogenesis in cervical intraepithelial neoplasia and the risk of recurrence (Tjalma et al). 1999;181:554-9
- Assessing gains in diagnostic utility when human papillomavirus testing is used as an adjunct to Papanicolaou smear in the triage of women with cervical cytologic abnormalities (Franco and Ferenczy). 1999;181:382-6
- The clinical significance of the poor correlation of cervical dysplasia and cervical malignancy with referral cytologic results (Lonky et al). 1999;181:560-6
- Effect of human seminal fluid on production of messenger ribonucleic acid for metalloproteinase 2 and metalloproteinase 9 in cervical epithelial carcinoma cells (Jeremias and Witkin). 1999;181:591-5
- The impact of intraoperative autologous blood transfusion during type III radical hysterectomy for early-stage cervical cancer (Mirhashemi et al). 1999;181:1310-6
- Positive cone biopsy specimen margins in women infected with the human immunodeficiency virus (Boardman et al). 1999;181:1395-9
- Pregnancy after radical vaginal trachelectomy (Jelsema) (Letter); (Roy and Plante) (Reply). 1999;181:229-30
- Recurrent cervical carcinoma after primary radical surgery (Wang et al). 1999;181:518-24
- Spontaneous resolution rate of grade I cervical intraepithelial neoplasia in a private practice population (Falls). 1999;181:278-82

**Cervix ripening; see Labor stage, first****Cesarean section**

- Atopy, the use of condoms, and a history of cesarean delivery: potential predisposing factors for latex sensitization in pregnant women (Chen et al). 1999;181:1461-4
- Cesarean delivery risk adjustment for regional interhospital comparisons (Glantz). 1999;181:1425-31
- Cesarean delivery of twins and neonatal respiratory disorders (Chasen et al). 1999;181:1052-6
- Idiopathic polyhydramnios and perinatal outcome (Panting-Kemp et al). 1999;181:1079-82

Induction of labor and cesarean section (Nicholson) (Letter); (Yeast) (Reply). 1999;181:1273-4

Perinatal outcome and amniotic fluid index in the antepartum and intrapartum periods: a meta-analysis (Chauhan et al). 1999;181:1473-8

Pregnancy outcome after successful external cephalic version (Siddiqui et al). 1999;181:1092-5

Prophylactic cesarean delivery for fetal macrosomia diagnosed by means of ultrasonography—a Faustian bargain? (Rouse and Owen). 1999;181:332-8 (Clin. opinion)

Rate of uterine rupture during a trial of labor in women with one or two prior cesarean deliveries (Caughey et al). 1999;181:872-6

Setting goals for reductions in Canadian cesarean delivery rates: benchmarking medical practice patterns (Richman). 1999;181:635-7

Singleton term breech deliveries in nulliparous and multiparous women: a 5-year experience at The University of Miami/Jackson Memorial Hospital (Diro et al). 1999;181:247-52

Strength of indication for cesarean delivery: comparison of private physician versus resident service labor management (Peipert et al). 1999;181:435-9

Uterine rupture during induced or augmented labor in gravid women with one prior cesarean delivery (Zelop et al). 1999;181:882-6

**Child development**

Neurobehavioral effects of low-level lead exposure in human neonates (Emory et al). 1999;181:S2-11 (Symposium)

**Children's Cancer Group**

Surgical resection alone is effective treatment for ovarian immature teratoma in children and adolescents: a report of the Pediatric Oncology Group and the Children's Cancer Group (Cushing et al). 1999;181:353-8

**Chlamydia trachomatis**

Cervical wet mount as a negative predictor for gonococci and *Chlamydia trachomatis*-induced cervicitis in a gravid population (Bohmer et al). 1999;181:283-7

**Choriocarcinoma**

Expression of annexin II and associated p11 protein by differentiated choriocarcinoma Jar cells (Kaczan-Bourgeois et al). 1999;181:1273 (Letter)

Molar pregnancy and risk for cancer in women and their male partners (Olsen et al). 1999;181:630-4

**Choroid plexus neoplasms**

Choroid plexus cysts: is biochemical testing a valuable adjunct to targeted ultrasonography? (Sullivan et al). 1999;181:260-5

**Chromosome abnormalities**

Atrioventricular septal defect in the fetus (Allan). 1999;181:1250-3

Ductus venosus blood flow evaluation: its importance in the screening of chromosomal abnormalities (Montenegro et al) (Letter); (Borrell and Fortuny) (Reply). 1999;181:1042-3

Selective termination for structural, chromosomal, and mendelian anomalies: international experience (Evans et al). 1999;181:893-7

**Circumcision**

A randomized, controlled trial of a eutectic mixture of local anesthetic cream (lidocaine and prilocaine) versus penile nerve block for pain relief during circumcision (Howard et al). 1999;181:1506-11

**Classic pages**

Classic pages in the *American Journal of Obstetrics and Gynecology*. 1999;181:1570-3

Classic pages in obstetrics and gynecology. 1999;181:1574-9



### Clinical opinion

Clinical opinion. 1999;181:1-11, 332-45, 934-9

### Clomiphene

Localization and expression of oxytocin receptor and its messenger ribonucleic acid in peri-implantation phase human endometrium during control and clomiphene-treated cycles (Dawood et al). 1999;181:50-6

Selective estrogen receptor modulators (Ansbacher) (Letter); (Goldstein) (Reply). 1999;181:1036

### Coagulation; see Blood coagulation

### Coitus

Functional outcomes and satisfaction after abdominal hysterectomy (Weber et al). 1999;181:530-5

### Collagen

Collagen cross-linking in patients with urinary incontinence (Visco and Yamauchi) (Letter); (Rechberger et al) (Reply). 1999;181:509-10

Collagenolysis in the lower uterine segment during parturition at term: correlations with stage of cervical dilatation and duration of labor (Winkler et al). 1999;181:153-8

### Computers

Comparison of visual and computerized interpretation of nonstress test results in a randomized controlled trial (Bracero et al). 1999;181:1254-8

### Condoms

Atopy, the use of condoms, and a history of cesarean delivery: potential predisposing factors for latex sensitization in pregnant women (Chen et al). 1999;181:1461-4

Norplant implants and condom use (Polaneczky) (Letter); (Darney) (Reply). 1999;181:1270

### Cone biopsy; see Biopsy

### Congenital toxoplasmosis; see Toxoplasmosis, congenital

### Constipation

Functional outcomes and satisfaction after abdominal hysterectomy (Weber et al). 1999;181:530-5

### Consultants

Consultants for the American Journal of Obstetrics and Gynecology, September 1, 1998–August 31, 1999. 1999;181:1279-92

### Contraception

The intrauterine contraceptive device: an often-forgotten and maligned method of contraception (Dardano and Burkman). 1999;181:1-5 (Clin. opinion)

Teen pregnancy—problems and approaches: panel presentation (Foster et al). 1999;181:S32-6 (Symposium)

### Contraceptive devices, female

Norplant implants and condom use (Polaneczky) (Letter); (Darney) (Reply). 1999;181:1270

### Contraceptives, oral

Effects of low-dose monophasic levonorgestrel with ethinyl estradiol preparation on serum lipid levels: a twenty-four-month clinical trial (Young and DelConte). 1999;181:S59-62

The effects of a low-dose monophasic preparation of levonorgestrel and ethinyl estradiol on coagulation and other hemostatic factors (Archer et al). 1999;181:S63-6

The effects on ovarian activity of a monophasic oral contraceptive with 100 µg levonorgestrel and 20 µg ethinyl estradiol (Coney and DelConte). 1999;181:S53-8

Efficacy and safety of a low-dose monophasic combination oral contraceptive containing 100 µg levonorgestrel and 20 µg ethinyl estradiol (Alesse) (Archer et al). 1999;181:S39-44

Hemostatic responses to maximal exercise in oral contraceptive users (Otterstetter et al). 1999;181:958-63

Leading the shift to 20 µg (Archer). 1999;181:S37-8 (Guest editorial)

A multicenter randomized comparison of cycle control and laboratory findings with oral contraceptive agents containing 100 micrograms levonorgestrel with 20 micrograms ethinyl estradiol or triphasic norethindrone with ethinyl estradiol (Reisman et al). 1999;181:S45-52

Norplant implants and condom use (Polaneczky) (Letter); (Darney) (Reply). 1999;181:1270

### Contraceptives, oral, hormonal

The mechanism of action of hormonal contraceptives and intrauterine contraceptive devices (Rivera et al). 1999;181:1263-9 (AJOG reviews)

### Contraction, uterine; see Uterine contraction

### Corrections

Alveolar-arterial oxygen gradient in acute pulmonary embolism in pregnancy (Powrie et al) (1998;178:394-6). 1999;181:510

Antiphospholipid immunoglobulin G antibodies reduce annexin-V levels on syncytiotrophoblast apical membranes and in culture media of placental villi (Rand et al) (1997;177:918-23). 1999;181:201

The Preterm Prediction Study: recurrence risk of spontaneous preterm birth (1998;178:1104-5) (Letter). 1999;181:510

Should the same glucose values be targeted for type 1 as for type 2 diabetics in pregnancy? (Sacks et al) (1997;177:1113-9). 1999;181:231

### Correspondence

Letters to the Editors. 1999;181:226-31, 508-10, 767-70, 1036-43, 1270-7, 1580-2

### Corticosteroids; see Adrenal cortex hormones

### Corticotropin-releasing hormone

Predicting risk of preterm delivery by second-trimester measurement of maternal plasma corticotropin-releasing hormone and α-fetoprotein concentrations (McLean et al). 1999;181:207-15

### Cortisol; see Hydrocortisone

### Cost-benefit analysis

The cost-effectiveness of voluntary intrapartum rapid human immunodeficiency virus testing for women without adequate prenatal care (Grobman and Garcia). 1999;181:1062-71

Treatment of tubal pregnancy in The Netherlands: an economic comparison of systemic methotrexate administration and laparoscopic salpingostomy (Mol et al). 1999;181:945-51

### Cotinine

Nicotine patch use in pregnant smokers: nicotine and cotinine levels and fetal effects (Ogburn et al). 1999;181:736-43

Urinary cotinine concentration confirms the reduced risk of preeclampsia with tobacco exposure (Lain et al). 1999;181:1192-6

### Cranium; see Brain

### Critical care

Reversible peripartum liver failure: a new perspective on the diagnosis, treatment, and cause of acute fatty liver of pregnancy, based on 28 consecutive cases (Castro et al). 1999;181:389-95

### Cryoprecipitate

Treatment of iatrogenic previable premature rupture of membranes with intra-amniotic injection of platelets and cryoprecipitate (amniopatch): preliminary experience (Quintero et al). 1999;181:744-9

**Cycle, menstrual; see Menstrual cycle****Cyclooxygenase; see Prostaglandin-endoperoxide synthase****Cystathionine gamma-lyase**

Maternal  $\gamma$ -cystathionase deficiency: absence of both teratogenic effects and pregnancy complications (Vargas et al). 1999;181:753-5

**Cystic fibrosis**

Incorrect recall of residual risk three years after carrier screening for cystic fibrosis: a comparison of two-step and couple screening (Marteau et al). 1999;181:165-9

**Cystoscopy**

Lower urinary tract injury during the Burch procedure: is there a role for routine cystoscopy? (Stevenson et al). 1999;181:35-8

**Cysts**

Choroid plexus cysts: is biochemical testing a valuable adjunct to targeted ultrasonography? (Sullivan et al). 1999;181:260-5

**Cytokines**

Cytokine abundance in placental tissues: evidence of inflammatory activation in gestational membranes with term and preterm parturition (Keelan et al). 1999;181:1530-6

Expression of the placental cytokines tumor necrosis factor  $\alpha$ , interleukin  $1\beta$ , and interleukin 10 is increased in preeclampsia (Rinehart et al). 1999;181:915-20

A role for the novel cytokine RANTES in pregnancy and parturition (Athayde et al). 1999;181:989-94

**Cytology**

The clinical significance of the poor correlation of cervical dysplasia and cervical malignancy with referral cytologic results (Lonky et al). 1999;181:560-6

**Cytoplasm**

Contractile activity, membrane potential, and cytoplasmic calcium concentration in human uterine smooth muscle in the third trimester of pregnancy and during labor (Parkington et al). 1999;181:1445-51

**Cytosine**

Polymorphism for mutation of cytosine to thymine at location 677 in the methylenetetrahydrofolate reductase gene is associated with recurrent early fetal loss (Lissak et al). 1999;181:126-30

**Cytotrophoblast; see Trophoblast****D****Decidua**

Elevated level of free 8-iso-prostaglandin  $F_{2\alpha}$  in the decidua basalis of women with preeclampsia (Staff et al). 1999;181:1211-5

Syncytiotrophoblastic fragments in first-trimester decidual veins: evidence of placental perfusion by the maternal circulation early in pregnancy (Craven and Ward). 1999;181:455-9

**Delivery**

Delivery of the marginally preterm infant: what are the minor morbidities? (Seubert et al). 1999;181:1087-91

Episiotomy, operative vaginal delivery, and significant perineal trauma in nulliparous women (Robinson et al). 1999;181:1180-4

Labor and delivery characteristics and risks of cranial ultrasonographic abnormalities among very-low-birth-weight infants (Hansen et al). 1999;181:997-1006

May-Hegglin anomaly and uncomplicated vaginal delivery: a report of 41 cases (Bizzaro). 1999;181:226-7 (Letter)

Prediction of delivery among women with early preterm labor by means of clinical characteristics alone (Macones et al). 1999;181:1414-8

**Delivery, injuries**

Brachial plexus palsy: an in utero injury? (Allen) (Letter); (Gherman et al) (Reply). 1999;181:1271-2

**Diabetes, gestational**

Alternative methods of diagnosing gestational diabetes mellitus (Atilano et al). 1999;181:1158-61

Effects of new criteria for type 2 diabetes on the rate of postpartum glucose intolerance in women with gestational diabetes (Conway and Langer). 1999;181:610-4

Gestational diabetes mellitus: metabolic and blood glucose parameters in singleton versus twin pregnancies (Schwartz et al). 1999;181:912-4

Jelly beans as an alternative to a fifty-gram glucose beverage for gestational diabetes screening (Lamar et al). 1999;181:1154-7

Universal versus selective gestational diabetes screening: application of 1997 American Diabetes Association recommendations (Danilenko-Dixon et al). 1999;181:798-802

When is fasting really fasting? The influence of time of day, interval after a meal, and maternal body mass on maternal glycemia in gestational diabetes (Sacks et al). 1999;181:904-11

**Diabetes mellitus**

The effects of first-trimester diabetes control on the incidence of macrosomia (Rey et al). 1999;181:202-6

**Diabetes mellitus, non-insulin-dependent**

Effects of new criteria for type 2 diabetes on the rate of postpartum glucose intolerance in women with gestational diabetes (Conway and Langer). 1999;181:610-4

**Diagnostic tests**

The infrequent use of office-based diagnostic tests for vaginitis (Wiesenfeld and Macio). 1999;181:39-41

Misleading authors' inferences in obstetric diagnostic test literature (Khan et al). 1999;181:112-5

**Diethylstilbestrol**

Diethylstilbestrol and adenocarcinoma of the vagina (Herbst). 1999;181:1576-8 (Classic pages)

**Dilatation**

Collagenolysis in the lower uterine segment during parturition at term: correlations with stage of cervical dilatation and duration of labor (Winkler et al). 1999;181:153-8

**Dinoprost**

Elevated level of free 8-iso-prostaglandin  $F_{2\alpha}$  in the decidua basalis of women with preeclampsia (Staff et al). 1999;181:1211-5

Intracellular calcium stores and agonist-induced contractions in isolated human myometrium (Luckas et al). 1999;181:468-76

Second-trimester uterine evacuation: a comparison of intra-amniotic (15S)-15-methyl-prostaglandin  $F_{2\alpha}$  and intravaginal misoprostol (Perry et al). 1999;181:1057-61

**Dinoprostone**

Randomized comparison between intravaginal misoprostol and dinoprostone for cervical ripening and induction of labor (Nunes et al). 1999;181:626-9

**Disease**

The role of calcium in health and disease (Power et al). 1999;181:1560-9 (AJOG reviews)

**Disseminated intravascular coagulation**

Spontaneous resolution of disseminated intravascular coagulopathy in the second trimester (Marinoff et al). 1999;181:759-60

**DNA**

First-trimester fetal sex prediction by deoxyribonucleic acid analysis of maternal peripheral blood (Falcinelli et al). 1999;181:675-80

**Domestic abuse;** *see* Spouse abuse

**Domestic violence;** *see* Violence

**Doppler ultrasonography, prenatal;** *see* Ultrasonography, prenatal

**Dose-response relationship, drug**

Efficacy and safety of low, standard, and high dosages of an estradiol transdermal system (Eslim) compared with placebo on vasomotor symptoms in highly symptomatic menopausal patients (Utian et al). 1999;181:71-9

**Down syndrome**

Ductus venosus blood flow evaluation: its importance in the screening of chromosomal abnormalities (Montenegro et al) (Letter); (Borrell and Fortuny) (Reply). 1999;181:1042-3

Elevated maternal urine level of  $\beta$ -core fragment of human chorionic gonadotropin versus serum triple test in the second-trimester detection of Down syndrome (Bahado-Singh et al). 1999;181:929-33

Indication-specific accuracy of second-trimester genetic ultrasonography for the detection of trisomy 21 (Vintzileos et al). 1999;181:1045-8

Prospective evaluation of free  $\beta$ -subunit of human chorionic gonadotropin and dimeric inhibin A for aneuploidy detection (Wenstrom et al). 1999;181:887-92

Utility of minor ultrasonographic markers in the prediction of abnormal fetal karyotype at a prenatal diagnostic center (Sohl et al). 1999;181:898-903

**Drug therapy**

Surgical resection alone is effective treatment for ovarian immature teratoma in children and adolescents: a report of the Pediatric Oncology Group and the Children's Cancer Group (Cushing et al). 1999;181:353-8

**Ductus venosus**

Ductus venosus blood flow evaluation: its importance in the screening of chromosomal abnormalities (Montenegro et al) (Letter); (Borrell and Fortuny) (Reply). 1999;181:1042-3

**Dystocia**

Brachial plexus palsy: an in utero injury? (Allen) (Letter); (Gherman et al) (Reply). 1999;181:1271-2

## E

**Early fetal loss;** *see* Abortion, spontaneous

**Early pregnancy;** *see* Pregnancy trimester, first

**Eclampsia**

Persistence of cerebral hemodynamic changes in patients with eclampsia: a report of three cases (Williams and Wilson). 1999;181:1162-5

**Education, medical**

A controlled analysis of authorship trends over two decades (Khan et al). 1999;181:503-7

Keynote address: taming the tempest of teen pregnancy (Foster). 1999;181:S28-31 (Symposium)

Mentoring in gynecology (Rock). 1999;181:1293-5 (Pres. address)

New opportunities for researchers in obstetrics and gynecology through programs supported by the National Institute of Child Health and Human Development (McNellis and Alexander). 1999;181:221-5

Reproductive physician-scientists for the twenty-first century (Longo et al). 1999;181:934-9 (Clin. opinion)

Residency training restructuring (Emery). 1999;181:1275-6 (Letter)

Teen pregnancy—problems and approaches: panel presentation (Foster et al). 1999;181:S32-6 (Symposium)

**Ehlers-Danlos syndrome**

Abnormal presentation in labor and fetal growth of affected infants with type III Ehlers-Danlos syndrome (Rooop and Brost). 1999;181:752-3

**Eisenmenger syndrome**

Management of labor in Eisenmenger syndrome with inhaled nitric oxide (Lust et al). 1999;181:419-23

**Electrosurgery**

Loop electrosurgical excision procedure for partial upper vaginectomy (Fanning et al). 1999;181:1382-5

**Endometrial hyperplasia**

An evaluation of risk factors for endometrial hyperplasia in premenopausal women with abnormal menstrual bleeding (Farquhar et al). 1999;181:525-9

**Endometrial neoplasms**

Inhibition of human endometrial cancer cell growth in vitro and in vivo by somatostatin analog RC-160 (Mishiina et al). 1999;181:583-90

Laparoscopic lymphadenectomy and vaginal or laparoscopic hysterectomy with bilateral salpingo-oophorectomy for endometrial cancer: morbidity and survival (Magrina et al). 1999;181:376-81

Significance of true surgical pathologic staging: a Gynecologic Oncology Group study (Creasman et al). 1999;181:31-4

**Endometriosis**

The gonadotropin-releasing hormone agonist leuprolide acetate induces apoptosis and suppresses cell proliferative activity in rectovaginal endometriosis (Mizutani et al). 1999;181:750-1

**Endometritis**

The association of interleukin 6 with clinical and laboratory parameters of acute pelvic inflammatory disease (Richter et al). 1999;181:940-4

**Endometrium**

Functional and molecular characterization of nitric oxide synthase in the endometrium and myometrium of pregnant sheep during the last third of gestation (Massmann et al). 1999;181:116-25

Localization and expression of oxytocin receptor and its messenger ribonucleic acid in peri-implantation phase human endometrium during control and clomiphene-treated cycles (Dawood et al). 1999;181:50-6

Tissue-specific ontogenic expression of prostaglandin H synthase 2 in the ovine myometrium, endometrium, and placenta during late gestation and at spontaneous term labor (Wu et al). 1999;181:1512-9

**Endothelins**

The effect of an endothelin antagonist on blood pressure in a rat model of preeclampsia (Olson et al). 1999;181:638-41

**Endothelium**

Etiology and pathogenesis of preeclampsia: current concepts (Schuiling and Faas) (Letter); (Dekker and Sibai) (Reply). 1999;181:1036-7

**Enoxaparin**

Changes in the pharmacokinetics of the low-molecular-weight heparin enoxaparin sodium during pregnancy (Casele et al). 1999;181:1113-7

**Environmental hazards**

A review of the effects of hazardous waste on reproductive health (Johnson). 1999;181:S12-6 (Symposium)

**Environmental hazards—cont'd**

Threatened pregnancy: environment and reproduction at risk—overview (Pattillo). 1999;181:S1 (Symposium)

**Enzymes**

HELLP (hemolysis, elevated liver enzymes, and low platelet count) syndrome: the benefit of corticosteroids (Tompkins and Thiagarajah). 1999;181:304-9

Maternal mortality associated with HELLP (hemolysis, elevated liver enzymes, and low platelets) syndrome (Isler et al). 1999;181:924-8

**Epidemiology**

Epidemiology of miscarriage and its relation to other reproductive events in Finland (Hemminki and Forssas). 1999;181:396-401

**Epidural anesthesia; see Anesthesia, epidural****Episiotomy**

Episiotomy, operative vaginal delivery, and significant perineal trauma in nulliparous women (Robinson et al). 1999;181:1180-4

**Epitopes; see Antigenic determinants****Equipment and supplies**

Assessment of response to treatment in vulvar vestibulitis syndrome by means of the vulvar algometer (Eva et al). 1999;181:99-102

**Erythrocytes**

Comment on reduced consumption of maternal red blood cells in alloimmunized fetus compared with that of volunteers is still questionable (Paul). 1999;181:229 (Letter)

Erythrocyte life span, preeclampsia, and hypercoagulability (Lurie and Glezerman) (Letter); (Kaibara) (Reply). 1999;181:1276-7

Neonatal nucleated red blood cell counts in growth-restricted fetuses: relationship to arterial and venous Doppler studies (Baschat et al). 1999;181:190-5

Nucleated red blood cell count at birth as an index of perinatal brain damage (Buonocore et al). 1999;181:1500-5

Nucleated red blood cells as a marker of acidemia in term neonates (Hanlon-Lundberg and Kirby). 1999;181:196-201

**Estradiol**

Efficacy and safety of low, standard, and high dosages of an estradiol transdermal system (Eslim) compared with placebo on vasomotor symptoms in highly symptomatic menopausal patients (Utian et al). 1999;181:71-9

Estradiol-delivering vaginal rings for hormone replacement therapy (Nash et al). 1999;181:1400-6

**Estriol**

Second-trimester maternal serum marker screening: maternal serum  $\alpha$ -fetoprotein,  $\beta$ -human chorionic gonadotropin, estriol, and their various combinations as predictors of pregnancy outcome (Yaron et al). 1999;181:968-74

**Estrogen receptors; see Receptors, estrogen****Estrogen replacement therapy**

Efficacy and safety of low, standard, and high dosages of an estradiol transdermal system (Eslim) compared with placebo on vasomotor symptoms in highly symptomatic menopausal patients (Utian et al). 1999;181:71-9

Estradiol-delivering vaginal rings for hormone replacement therapy (Nash et al). 1999;181:1400-6

Estrogen replacement therapy in women with previous breast cancer (Natrajan et al). 1999;181:288-95

Mammographic breast density during hormone replacement therapy: differences according to treatment (Lundström et al). 1999;181:348-52

Sequentially combined hormone replacement therapy reduces impedance to flow within the uterine and central retinal arteries in healthy postmenopausal women (van Baal et al). 1999;181:1365-73

**Estrogens**

Decreasing estrogen in nonpregnant women lowers uterine myometrial type I nitric oxide synthase protein expression (Weeks et al). 1999;181:25-30

Leading the shift to 20  $\mu$ g (Archer). 1999;181:S37-8 (Guest editorial)

**Ethics**

Cerebral arteriovenous malformation in pregnancy: presentation and neurologic, obstetric, and ethical significance (Finnerty et al). 1999;181:296-303

**Ethinyl estradiol**

Effects of low-dose monophasic levonorgestrel with ethinyl estradiol preparation on serum lipid levels: a twenty-four-month clinical trial (Young and DelConte). 1999;181:S59-62

The effects of a low-dose monophasic preparation of levonorgestrel and ethinyl estradiol on coagulation and other hemostatic factors (Archer et al). 1999;181:S63-6

The effects on ovarian activity of a monophasic oral contraceptive with 100  $\mu$ g levonorgestrel and 20  $\mu$ g ethinyl estradiol (Coney and DelConte). 1999;181:S53-8

Efficacy and safety of a low-dose monophasic combination oral contraceptive containing 100  $\mu$ g levonorgestrel and 20  $\mu$ g ethinyl estradiol (Alesse) (Archer et al). 1999;181:S39-44

Leading the shift to 20  $\mu$ g (Archer). 1999;181:S37-8 (Guest editorial)

A multicenter randomized comparison of cycle control and laboratory findings with oral contraceptive agents containing 100 micrograms levonorgestrel with 20 micrograms ethinyl estradiol or triphasic norethindrone with ethinyl estradiol (Reisman et al). 1999;181:S45-52

**Eurofetus Study**

The performance of routine ultrasonographic screening of pregnancies in the Eurofetus Study (Grandjean et al). 1999;181:446-54

**Exercise**

Hemostatic responses to maximal exercise in oral contraceptive users (Otterstetter et al). 1999;181:958-63

Neurobiology of infants born to women who exercise regularly throughout pregnancy (Friedman). 1999;181:1038-9 (Letter)

**External cephalic version; see Version, fetal****F****Factor V**

Unusual cases of severe thrombotic episodes during the peripartum period (Ban et al) (Letter); (Grandone et al) (Reply). 1999;181:1040-1

**Fallopian tubes**

Correlation of asbestos fiber burdens in fallopian tubes and ovarian tissue (Heller et al). 1999;181:346-7

**False negative reactions**

Fetal death after normal biophysical profile score: an eighteen-year experience (Dayal et al). 1999;181:1231-6

**Family planning**

The mechanism of action of hormonal contraceptives and intrauterine contraceptive devices (Rivera et al). 1999;181:1263-9 (AJOG reviews)



### **Fascia**

Collagen cross-linking in patients with urinary incontinence (Visco and Yamauchi) (Letter); (Rechberger et al) (Reply). 1999;181:509-10

Outcome after rectovaginal fascia reattachment for rectocele repair (Kenton et al). 1999;181:1360-4

### **Fascia lata**

Functional failure of fascia lata allografts (FitzGerald et al). 1999;181:1339-46

### **Fasting**

When is fasting really fasting? The influence of time of day, interval after a meal, and maternal body mass on maternal glycemia in gestational diabetes (Sacks et al). 1999;181:904-11

### **Fatigue**

Work and pregnancy: the role of fatigue and the "second shift" on antenatal morbidity (Luke et al). 1999;181:1172-9

### **Fatty liver**

Reversible peripartum liver failure: a new perspective on the diagnosis, treatment, and cause of acute fatty liver of pregnancy, based on 28 consecutive cases (Castro et al). 1999;181:389-95

### **Fecal incontinence**

A prospective cohort study of women after primary repair of obstetric anal sphincter laceration (Kammerer-Doak et al). 1999;181:1317-23

### **Fertilization in vitro**

Management of long-standing unexplained infertility: a prospective study (Aboulghar et al). 1999;181:371-5

Perinatal outcome of pregnancies after assisted reproduction: a case-control study (Dhont et al). 1999;181:688-95

Progestogen therapy during pituitary desensitization with gonadotropin-releasing hormone agonist prevents functional ovarian cyst formation: a prospective, randomized study (Engmann et al). 1999;181:576-82

### **Fetal blood**

Acute cerebral redistribution in response to invasive procedures in the human fetus (Teixeira et al). 1999;181:1018-25

Association between umbilical blood gas parameters and neonatal morbidity and death in neonates with pathologic fetal acidemia (Andres et al). 1999;181:867-71

Cardiac troponin T levels in umbilical cord blood (Shelton et al). 1999;181:1259-62

Doppler ultrasonographic evidence of intrapartum brain sparing effect in fetuses with low oxygen saturation according to pulse oximetry (Sütterlin et al). 1999;181:216-20

Effects of acute and chronic hypoxia on nitric oxide-mediated relaxation of fetal guinea pig arteries (Thompson and Weiner). 1999;181:105-11

Neopterin concentrations in fetal and maternal blood: a marker of cell-mediated immune activation (Radunovic et al). 1999;181:170-3

Predictive value of fetal scalp blood lactate concentration and pH as markers of neurologic disability (Kruger et al). 1999;181:1072-8

### **Fetal circulation**

Effects of nitroglycerin and indomethacin on fetal-maternal circulation and on fetal cerebral blood flow and metabolism in sheep (Skarsgard et al). 1999;181:440-5

Intravenous infusion of magnesium sulfate and regional redistribution of fetal blood flow during maternal hemorrhage in late-gestation gravid ewes (Moon et al). 1999;181:1486-94

Relationship between flow through the fetal aortic isthmus and cerebral oxygenation during acute placental circulatory insufficiency in ovine fetuses (Fouron et al). 1999;181:1102-7

Umbilical vein blood flow determination in the ovine fetus: comparison of Doppler ultrasonographic and steady-state diffusion techniques (Galan et al). 1999;181:1149-53

### **Fetal death**

Anti- $\beta_2$ -glycoprotein I antibodies in women with recurrent spontaneous abortion, unexplained fetal death, and antiphospholipid syndrome (Lee et al). 1999;181:642-8

Fetal death after normal biophysical profile score: an eighteen-year experience (Dayal et al). 1999;181:1231-6

Fetal seizures causing increased heart rate variability during terminal fetal hypoxia (Westgate et al). 1999;181:765-6

### **Fetal development**

Abnormal presentation in labor and fetal growth of affected infants with type III Ehlers-Danlos syndrome (Roop and Brost). 1999;181:752-3

Comprehensive fetal ultrasonographic growth measurements in triplet gestations (Rodis et al). 1999;181:1128-32

Determinants of abdominal circumference (Bernstein and Catalano). 1999;181:1038 (Letter)

Macrosomia revisited: ponderal index and leptin delineate subtypes of fetal overgrowth (Lepercq et al). 1999;181:621-5

Maturation of cortisol responses to adrenocorticotrophic hormone in twin fetal sheep in vivo (Block et al). 1999;181:498-502

Racial patterns in the effects of tobacco use on fetal growth (Sprauve et al). 1999;181:S22-7 (Symposium)

Receiver operating characteristic curves of ultrasonographic estimates of fetal weight for prediction of fetal growth restriction in prolonged pregnancies (O'Reilly-Green and Divon). 1999;181:1133-8

Relationship of umbilical vein blood flow to growth parameters in the human fetus (Barbera et al). 1999;181:174-9

Threatened pregnancy: environment and reproduction at risk—overview (Pattillo). 1999;181:S1 (Symposium)

Umbilical amino acid uptake at increasing maternal amino acid concentrations: effect of a maternal amino acid infusate (Ronconi et al). 1999;181:477-83

### **Fetal diseases**

Comment on reduced consumption of maternal red blood cells in alloimmunized fetus compared with that of volunteers is still questionable (Paul). 1999;181:229 (Letter)

Effect of ischemia-reperfusion on xanthine oxidase activity in fetal rat brain capillaries (Wakatsuki et al). 1999;181:731-5

Induction of antenatal periventricular leukomalacia by hemorrhagic hypotension in the chronically instrumented fetal sheep (Matsuda et al). 1999;181:725-30

Nucleated red blood cells as a marker of acidemia in term neonates (Hanlon-Lundberg and Kirby). 1999;181:196-201

The performance of routine ultrasonographic screening of pregnancies in the Eurofetus Study (Grandjean et al). 1999;181:446-54

A systemic fetal inflammatory response and the development of bronchopulmonary dysplasia (Yoon et al). 1999;181:773-9

### **Fetal growth retardation**

Abnormal presentation in labor and fetal growth of affected infants with type III Ehlers-Danlos syndrome (Roop and Brost). 1999;181:752-3

**Fetal growth retardation—cont'd**

- Maternal neutrophil apoptosis in normal pregnancy, preeclampsia, and normotensive intrauterine growth restriction (von Dadelszen et al). 1999;181:408-14
- Neonatal nucleated red blood cell counts in growth-restricted fetuses: relationship to arterial and venous Doppler studies (Baschat et al). 1999;181:190-5
- Positive predictive value of suspected growth aberration in twin gestations (Grobman and Parilla). 1999;181:1139-41
- Receiver operating characteristic curves of ultrasonographic estimates of fetal weight for prediction of fetal growth restriction in prolonged pregnancies (O'Reilly-Green and Divon). 1999;181:1133-8

**Fetal heart rate; see Heart rate, fetal****Fetal macrosomia**

- The effects of first-trimester diabetes control on the incidence of macrosomia (Rey et al). 1999;181:202-6
- Idiopathic polyhydramnios and perinatal outcome (Panting-Kemp et al). 1999;181:1079-82
- Macrosomia revisited: ponderal index and leptin delineate subtypes of fetal overgrowth (Lepercq et al). 1999;181:621-5
- Prophylactic cesarean delivery for fetal macrosomia diagnosed by means of ultrasonography—a Faustian bargain? (Rouse and Owen). 1999;181:332-8 (Clin. opinion)

**Fetal membranes, premature rupture**

- Association of oligohydramnios in women with preterm premature rupture of membranes with an inflammatory response in fetal, amniotic, and maternal compartments (Yoon et al). 1999;181:784-8
- Gelatin sponge plug to seal fetoscopy port sites: technique in ovine and primate models (Luks et al). 1999;181:995-6
- Neonatal sepsis after betamethasone administration to patients with preterm premature rupture of membranes (Vermillion et al). 1999;181:320-7
- Premature rupture of membranes (Harkavy) (Letter); (Neerhof et al) (Reply). 1999;181:1274-5
- A randomized clinical trial of daily nonstress testing versus biophysical profile in the management of preterm premature rupture of membranes (Lewis et al). 1999;181:1495-9
- Treatment of iatrogenic previable premature rupture of membranes with intra-amniotic injection of platelets and cryoprecipitate (amniopatch): preliminary experience (Quintero et al). 1999;181:744-9

**Fetal monitoring**

- Comparison of visual and computerized interpretation of nonstress test results in a randomized controlled trial (Bracero et al). 1999;181:1254-8
- The effect of magnesium sulfate on fetal heart rate parameters: a randomized, placebo-controlled trial (Hallak et al). 1999;181:1122-7
- Fetal death after normal biophysical profile score: an eighteen-year experience (Dayal et al). 1999;181:1231-6
- A randomized clinical trial of daily nonstress testing versus biophysical profile in the management of preterm premature rupture of membranes (Lewis et al). 1999;181:1495-9

**Fetal presentation; see Labor presentation****Fetal surgery; see Surgery, fetal****Fetoscopy**

Gelatin sponge plug to seal fetoscopy port sites: technique in ovine and primate models (Luks et al). 1999;181:995-6

Treatment of iatrogenic previable premature rupture of membranes with intra-amniotic injection of platelets and cryoprecipitate (amniopatch): preliminary experience (Quintero et al). 1999;181:744-9

**Fetus**

- Doppler ultrasonographic evidence of intrapartum brain-sparing effect in fetuses with low oxygen saturation according to pulse oximetry (Sütterlin et al). 1999;181:216-20
- Fetal cell recycling: diagnosis of gender and *RhD* genotype in the same fetal cell retrieved from maternal blood (Sekizawa et al). 1999;181:1237-42
- Immunolocalization of inducible nitric oxide synthase in human amnion (Thomson et al) (Letter); (Hsu and Parkash) (Reply). 1999;181:770
- Induction of antenatal periventricular leukomalacia by hemorrhagic hypotension in the chronically instrumented fetal sheep (Matsuda et al). 1999;181:725-30
- Intermittent umbilical cord occlusion in the ovine fetus near term: effects on behavioral state activity (Kawagoe et al). 1999;181:1520-9
- Role of adenosine in regulation of brain temperature in fetal sheep (Suzuki and Power). 1999;181:681-7

**Fetus, drug effects**

- Behavioral changes in developing mice after prenatal exposure to paroxetine (Paxil) (Coleman et al). 1999;181:1166-71
- Cigarette smoking during pregnancy and risk of preeclampsia: a systematic review (Conde-Agudelo et al). 1999;181:1026-35 (AJOG reviews)
- Effect of prenatal betamethasone administration on maternal and fetal corticosteroid-binding globulin concentrations (Jeffrey et al). 1999;181:1546-51
- Nicotine patch use in pregnant smokers: nicotine and cotinine levels and fetal effects (Ogburn et al). 1999;181:736-43
- Racial patterns in the effects of tobacco use on fetal growth (Sprauve et al). 1999;181:S22-7 (Symposium)

**Fibrinolysis**

- Hemostatic responses to maximal exercise in oral contraceptive users (Otterstetter et al). 1999;181:958-63

**Finland**

- Epidemiology of miscarriage and its relation to other reproductive events in Finland (Hemminki and Forssas). 1999;181:396-401

**First trimester of pregnancy; see Pregnancy trimester, first****Flow velocity; see Blood flow velocity****Foley catheter; see Catheterization****Forceps; see Obstetrical forceps****Forearm**

- Stimulated nitric oxide release and nitric oxide sensitivity in forearm arterial vasculature during normotensive and preeclamptic pregnancy (Anumba et al). 1999;181:1479-85

**Function, sexual; see Coitus****G****Galactosidases**

- Ultrasonographically guided direct gene transfer in utero: successful induction of  $\beta$ -galactosidase in a rabbit model (Baumgartner et al). 1999;181:848-52

### Gastric neoplasms

The evolution of linitis plastica as a consequence of advanced gastric carcinoma in pregnancy (Tewari et al). 1999;181:757-8

### Gelatin sponge, absorbable

Gelatin sponge plug to seal fetoscopic port sites: technique in ovine and primate models (Luks et al). 1999;181:995-6

### Gender; see Sex

### Gene transfer; see Transfection

### Genes

Polymorphism for mutation of cytosine to thymine at location 677 in the methylenetetrahydrofolate reductase gene is associated with recurrent early fetal loss (Lissak et al). 1999;181:126-30

### Genetic screening

A five-year experience with fragile X screening of high-risk gravid women (Wenstrom et al). 1999;181:789-92

### Genetics

Etiology and pathogenesis of preeclampsia: current concepts (Schuling and Faas) (Letter); (Dekker and Sibai) (Reply). 1999;181:1036-7

Indication-specific accuracy of second-trimester genetic ultrasonography for the detection of trisomy 21 (Vintzileos et al). 1999;181:1045-8

Preeclampsia and genetic risk factors for thrombosis: a case-control study (De Groot et al). 1999;181:975-80

Unusual cases of severe thrombotic episodes during the peripartum period (Ban et al) (Letter); (Grandone et al) (Reply). 1999;181:1040-1

### Genotype

Fetal cell recycling: diagnosis of gender and *RhD* genotype in the same fetal cell retrieved from maternal blood (Sekizawa et al). 1999;181:1237-42

### Gestational age

The Preterm Prediction Study: effect of gestational age and cause of preterm birth on subsequent obstetric outcome (Mercer et al). 1999;181:1216-21

### Gestational diabetes; see Diabetes, gestational

### Globulins

Effect of prenatal betamethasone administration on maternal and fetal corticosteroid-binding globulin concentrations (Jeffrey et al). 1999;181:1546-51

### Glucose tolerance test

Alternative methods of diagnosing gestational diabetes mellitus (Atilano et al). 1999;181:1158-61

Effects of new criteria for type 2 diabetes on the rate of postpartum glucose intolerance in women with gestational diabetes (Conway and Langer). 1999;181:610-4

Insulin resistance and preeclampsia: is there a relationship? (Caruso et al) (Letter); (Catalano et al) (Reply). 1999;181:768-9

Jelly beans as an alternative to a fifty-gram glucose beverage for gestational diabetes screening (Lamar et al). 1999;181:1154-7

When is fasting really fasting? The influence of time of day, interval after a meal, and maternal body mass on maternal glycemia in gestational diabetes (Sacks et al). 1999;181:904-11

### Glycoproteins

Anti- $\beta_2$ -glycoprotein I antibodies in women with recurrent spontaneous abortion, unexplained fetal death, and antiphospholipid syndrome (Lee et al). 1999;181:642-8

### Goals

Setting goals for reductions in Canadian cesarean delivery rates: benchmarking medical practice patterns (Richman). 1999;181:635-7

### Gonadorelin

The gonadotropin-releasing hormone agonist leuprolide acetate induces apoptosis and suppresses cell proliferative activity in rectovaginal endometriosis (Mizutani et al). 1999;181:750-1

Progesterone therapy during pituitary desensitization with gonadotropin-releasing hormone agonist prevents functional ovarian cyst formation: a prospective, randomized study (Engmann et al). 1999;181:576-82

### Gonadotropins, chorionic

Elevated maternal urine level of  $\beta$ -core fragment of human chorionic gonadotropin versus serum triple test in the second-trimester detection of Down syndrome (Bahado-Singh et al). 1999;181:929-33

Human chorionic gonadotropin exhibits potent inhibition of preterm delivery in a small animal model (Kurtzman et al). 1999;181:853-7

Prospective evaluation of free  $\beta$ -subunit of human chorionic gonadotropin and dimeric inhibin A for aneuploidy detection (Wenstrom et al). 1999;181:887-92

Second-trimester maternal serum marker screening: maternal serum  $\alpha$ -fetoprotein,  $\beta$ -human chorionic gonadotropin, estriol, and their various combinations as predictors of pregnancy outcome (Yaron et al). 1999;181:968-74

### Gonorrhea

Cervical wet mount as a negative predictor for gonococci- and *Chlamydia trachomatis*-induced cervicitis in a gravid population (Bohmer et al). 1999;181:283-7

### Graft rejection

Functional failure of fascia lata allografts (FitzGerald et al). 1999;181:1339-46

### Group B streptococcus; see *Streptococcus agalactiae*

### Growth

Comprehensive fetal ultrasonographic growth measurements in triplet gestations (Rodis et al). 1999;181:1128-32

Relationship of umbilical vein blood flow to growth parameters in the human fetus (Barbera et al). 1999;181:174-9

### Growth-restricted fetus; see Fetal growth retardation

### Growth substances

Inhibition of human endometrial cancer cell growth in vitro and in vivo by somatostatin analog RC-160 (Mishima et al). 1999;181:583-90

### Guidelines

A trial of vaginal route for hysterectomy (Sheth) (Letter); (Kovac) (Reply). 1999;181:227-8

### Gynecologic Oncology Group

Significance of true surgical pathologic staging: a Gynecologic Oncology Group study (Creasman et al). 1999;181:31-4

### Gynecology

Acute pancreatitis after gynecologic and obstetric surgery (Ramsey and Podratz). 1999;181:542-6

Images, imagination and ideas: a perspective on the impact of ultrasonography on the practice of obstetrics and gynecology (Wade). 1999;181:235-9 (Pres. address)

Managed care in obstetrics and gynecology: can our specialty survive? (Harrison). 1999;181:328-31

**Gynecology—cont'd**

- Mentoring in gynecology (Rock). 1999;181:1293-5 (Pres. address)
- New opportunities for researchers in obstetrics and gynecology through programs supported by the National Institute of Child Health and Human Development (McNellis and Alexander). 1999;181:221-5 (Education)
- Reproductive physician-scientists for the twenty-first century (Longo et al). 1999;181:934-9 (Clin. opinion)
- Residency training restructuring (Emery). 1999;181:1275-6 (Letter)

**H****Hazardous waste**

- A review of the effects of hazardous waste on reproductive health (Johnson). 1999;181:S12-6 (Symposium)

**Health**

- Keynote address: taming the tempest of teen pregnancy (Foster). 1999;181:S28-31 (Symposium)
- Morbidity Assessment Index for Newborns: a composite tool for measuring newborn health (Verma et al). 1999;181:701-8
- The role of calcium in health and disease (Power et al). 1999;181:1560-9 (AJOG reviews)

**Health services research**

- Setting goals for reductions in Canadian cesarean delivery rates: benchmarking medical practice patterns (Richman). 1999;181:635-7

**Heart**

- Cardiac troponin T levels in umbilical cord blood (Shelton et al). 1999;181:1259-62

**Heart defects, congenital**

- Atrioventricular septal defect in the fetus (Allan). 1999;181:1250-3
- Obstetric management in 219 cases of infants with hypoplastic left heart syndrome (Gilles et al) (Letter); (van de Ven) (Reply). 1999;181:226

**Heart failure, congestive**

- Peripartum cardiomyopathy: summary of an international survey on peripartum cardiomyopathy (Veille and Zaccaro). 1999;181:315-9

**Heart rate**

- The effect of chronic nitric oxide synthase inhibition on blood pressure and heart rate in unrestrained pregnant rats as recorded by radiotelemetry (Buhimschi et al). 1999;181:159-64

**Heart rate, fetal**

- The clinical significance of intermittent sinusoidal fetal heart rate (Egley) (Letter); (Kang and Boehm) (Reply). 1999;181:1041-2
- The effect of magnesium sulfate on fetal heart rate parameters: a randomized, placebo-controlled trial (Hallak et al). 1999;181:1122-7
- Fetal seizures causing increased heart rate variability during terminal fetal hypoxia (Westgate et al). 1999;181:765-6
- Intermittent umbilical cord occlusion in the ovine fetus near term: effects on behavioral state activity (Kawagoe et al). 1999;181:1520-9

**Heart septal defects, atrial**

- Atrioventricular septal defect in the fetus (Allan). 1999;181:1250-3

**HELLP syndrome**

- HELLP (hemolysis, elevated liver enzymes, and low platelet count) syndrome: the benefit of corticosteroids (Tompkins and Thiagarajah). 1999;181:304-9

- Maternal mortality associated with HELLP (hemolysis, elevated liver enzymes, and low platelets) syndrome (Isler et al). 1999;181:924-8
- They should have reviewed the obstetric literature (Goodlin) (Letter); (Hayslett) (Reply). 1999;181:230-1

**Hemodynamics**

- Acute cerebral redistribution in response to invasive procedures in the human fetus (Teixeira et al). 1999;181:1018-25
- Persistence of cerebral hemodynamic changes in patients with eclampsia: a report of three cases (Williams and Wilson). 1999;181:1162-5
- A randomized, double-blind, hemodynamic evaluation of nifedipine and labetalol in preeclamptic hypertensive emergencies (Scardo et al). 1999;181:862-6

**Hemolysis**

- HELLP (hemolysis, elevated liver enzymes, and low platelet count) syndrome: the benefit of corticosteroids (Tompkins and Thiagarajah). 1999;181:304-9
- Maternal mortality associated with HELLP (hemolysis, elevated liver enzymes, and low platelets) syndrome (Isler et al). 1999;181:924-8

**Hemorrhage**

- An evaluation of risk factors for endometrial hyperplasia in premenopausal women with abnormal menstrual bleeding (Farquhar et al). 1999;181:525-9
- Induction of antenatal periventricular leukomalacia by hemorrhagic hypotension in the chronically instrumented fetal sheep (Matsuda et al). 1999;181:725-30
- Intravenous infusion of magnesium sulfate and regional redistribution of fetal blood flow during maternal hemorrhage in late-gestation gravid ewes (Moon et al). 1999;181:1486-94

**Hemostasis**

- The effects of a low-dose monophasic preparation of levonorgestrel and ethinyl estradiol on coagulation and other hemostatic factors (Archer et al). 1999;181:S63-6
- Hemostatic responses to maximal exercise in oral contraceptive users (Otterstetter et al). 1999;181:958-63

**Heparin**

- Changes in the pharmacokinetics of the low-molecular-weight heparin enoxaparin sodium during pregnancy (Casele et al). 1999;181:1113-7
- Presentation of venous thromboembolism during pregnancy (Witlin et al). 1999;181:1118-21
- Puerperal septic pelvic thrombophlebitis: incidence and response to heparin therapy (Brown et al). 1999;181:143-8

**Hernia**

- The anatomic and functional outcomes of defect-specific rectocele repairs (Porter et al). 1999;181:1353-9
- Enriching research culture in residency (Al-Hendy) (Letter); (DeLancey) (Reply). 1999;181:1271
- Outcome after rectovaginal fascia reattachment for rectocele repair (Kenton et al). 1999;181:1360-4

**Heterozygote**

- Incorrect recall of residual risk three years after carrier screening for cystic fibrosis: a comparison of two-step and couple screening (Marteau et al). 1999;181:165-9

**Histology**

- The relationship between placental histology and cervical ultrasonography in women at risk for pregnancy loss and spontaneous preterm birth (Guzman et al). 1999;181:793-7



## HIV

The cost-effectiveness of voluntary intrapartum rapid human immunodeficiency virus testing for women without adequate prenatal care (Grobman and Garcia). 1999;181:1062-71

Positive cone biopsy specimen margins in women infected with the human immunodeficiency virus (Boardman et al). 1999;181:1395-9

Trichomoniasis in pregnant human immunodeficiency virus-infected and human immunodeficiency virus-uninfected Congolese women: prevalence, risk factors, and association with low birth weight (Sutton et al). 1999;181:656-62

The use of human immunodeficiency virus postexposure prophylaxis after successful artificial insemination (Bloch et al). 1999;181:760-1

## HIV-1

Effects of human immunodeficiency virus 1 infection on microbial origins of pelvic inflammatory disease and on efficacy of ambulatory oral therapy (Bukusi et al). 1999;181:1374-81

## Hormonal contraceptives; see Contraceptives, oral, hormonal

## Hormone replacement therapy; see Estrogen replacement therapy

## Hospitals

Cesarean delivery risk adjustment for regional interhospital comparisons (Glantz). 1999;181:1425-31

## Human chorionic gonadotropins; see Gonadotropins, chorionic

## Human immunodeficiency virus; see HIV

## Hyaluronic acid

Hyaluronic acid-carboxymethylcellulose film and perianastomotic adhesions in previously irradiated rats (Bowers et al). 1999;181:1335-8

## Hydatidiform mole

Molar pregnancy and risk for cancer in women and their male partners (Olsen et al). 1999;181:630-4

## Hydrocortisone

Maturation of cortisol responses to adrenocorticotrophic hormone in twin fetal sheep in vivo (Block et al). 1999;181:498-502

## Hydrogen-ion concentration

The infrequent use of office-based diagnostic tests for vaginitis (Wiesenfeld and Macio). 1999;181:39-41

Perinatal outcome and amniotic fluid index in the antepartum and intrapartum periods: a meta-analysis (Chauhan et al). 1999;181:1473-8

Predictive value of fetal scalp blood lactate concentration and pH as markers of neurologic disability (Kruger et al). 1999;181:1072-8

## Hydroxysteroid dehydrogenases

Prevalence of 3 $\beta$ -hydroxysteroid dehydrogenase-deficient non-classic adrenal hyperplasia in hyperandrogenic women with adrenal androgen excess (Moran et al). 1999;181:596-600

## Hyperandrogens; see Androgens

## Hypercoagulability; see Blood coagulation

## Hypersensitivity

Atopy, the use of condoms, and a history of cesarean delivery: potential predisposing factors for latex sensitization in pregnant women (Chen et al). 1999;181:1461-4

## Hypertension

The location of chronic pregnancy hypertension on the vasoconstriction-volume spectrum: working hypothesis (Hon). 1999;181:137-42

The puzzling association between smoking and hypertension during pregnancy (Zhang et al). 1999;181:1407-13

A randomized, double-blind, hemodynamic evaluation of nifedipine and labetalol in preeclamptic hypertensive emergencies (Scardo et al). 1999;181:862-6

A randomized, double-blind trial of oral nifedipine and intravenous labetalol in hypertensive emergencies of pregnancy (Vermillion et al). 1999;181:858-61

Safety of labor epidural anesthesia for women with severe hypertensive disease (Hogg et al). 1999;181:1096-101

## Hypertension, pulmonary

Management of labor in Eisenmenger syndrome with inhaled nitric oxide (Lust et al). 1999;181:419-23

## Hyponatremia

They should have reviewed the obstetric literature (Goodlin) (Letter); (Hayslett) (Reply). 1999;181:230-1

## Hypotension

Induction of antenatal periventricular leukomalacia by hemorrhagic hypotension in the chronically instrumented fetal sheep (Matsuda et al). 1999;181:725-30

## Hypoxia; see Anoxia

## Hysterectomy

Functional outcomes and satisfaction after abdominal hysterectomy (Weber et al). 1999;181:530-5

The impact of intraoperative autologous blood transfusion during type III radical hysterectomy for early-stage cervical cancer (Mirhashemi et al). 1999;181:1310-6

Laparoscopically assisted vaginal hysterectomy compared with total abdominal hysterectomy (Miskry et al) (Letter); (Marana and Zupi) (Reply). 1999;181:1580-1

Minilaparotomy hysterectomy—comments (Escamilla) (Letter); (Hoffman and Lynch) (Reply). 1999;181:1037-8

Recurrent cervical carcinoma after primary radical surgery (Wang et al). 1999;181:518-24

Risk adjustment for complications of hysterectomy: limitations of routinely collected administrative data (Myers and Steege). 1999;181:567-75

## Hysterectomy, vaginal

How to increase the proportion of vaginal hysterectomies—bipolar coagulation (Weyl). 1999;181:768 (Letter)

Laparoscopic lymphadenectomy and vaginal or laparoscopic hysterectomy with bilateral salpingo-oophorectomy for endometrial cancer: morbidity and survival (Magrina et al). 1999;181:376-81

Laparoscopically assisted vaginal hysterectomy compared with total abdominal hysterectomy (Miskry et al) (Letter); (Marana and Zupi) (Reply). 1999;181:1580-1

A trial of vaginal route for hysterectomy (Sheth) (Letter); (Kovac) (Reply). 1999;181:227-8

## I

## Iatrogenic disease

Treatment of iatrogenic previable premature rupture of membranes with intra-amniotic injection of platelets and cryoprecipitate (amniopatch): preliminary experience (Quintero et al). 1999;181:744-9

## IgE

Atopy, the use of condoms, and a history of cesarean delivery: potential predisposing factors for latex sensitization in pregnant women (Chen et al). 1999;181:1461-4

## 8-Iso-prostaglandin F<sub>2 $\alpha$</sub> ; see Dinoprost

## Immune hemolytic anemia; see Anemia, hemolytic

**Immunity, cellular**

Neopterin concentrations in fetal and maternal blood: a marker of cell-mediated immune activation (Radunovic et al). 1999;181:170-3

**Immunology**

Unique epitopes of lactoferrin expressed in human cytotrophoblasts involved in immunologic reactions (Thaler et al). 1999;181:460-7

**Immunoscintigraphy; see Radioimmunodetection****Implantation, ovum; see Ovum implantation****Incontinence, urinary stress; see Urinary incontinence, stress****Indomethacin**

Effects of nitroglycerin and indomethacin on fetal-maternal circulation and on fetal cerebral blood flow and metabolism in sheep (Skarsgard et al). 1999;181:440-5

Recent indomethacin tocolysis is not associated with neonatal complications in preterm infants (Vermillion and Newman). 1999;181:1083-6

**Induction of labor; see Labor, induced****Infant, low birth weight**

Incidence of morbidity (LeBlanc) (Letter); (Mercer et al) (Reply). 1999;181:1581-2

Labor and delivery characteristics and risks of cranial ultrasonographic abnormalities among very-low-birth-weight infants (Hansen et al). 1999;181:997-1006

Trichomoniasis in pregnant human immunodeficiency virus-infected and human immunodeficiency virus-uninfected Congolese women: prevalence, risk factors, and association with low birth weight (Sutton et al). 1999;181:656-62

**Infant, newborn**

The capture rate of at-risk term newborns for early-onset group B streptococcal sepsis determined by a risk factor approach (Towers et al). 1999;181:1243-9

Incidence of intrapartum maternal risk factors for identifying neonates at risk for early-onset group B streptococcal sepsis: a prospective study (Towers et al). 1999;181:1197-202

Morbidity Assessment Index for Newborns: a composite tool for measuring newborn health (Verma et al). 1999;181:701-8

Neonatal nucleated red blood cell counts in growth-restricted fetuses: relationship to arterial and venous Doppler studies (Baschat et al). 1999;181:190-5

Neurobehavioral effects of low-level lead exposure in human neonates (Emory et al). 1999;181:S2-11 (Symposium)

Neurobiology of infants born to women who exercise regularly throughout pregnancy (Friedman). 1999;181:1038-9 (Letter)

A randomized, controlled trial of a eutectic mixture of local anesthetic cream (lidocaine and prilocaine) versus penile nerve block for pain relief during circumcision (Howard et al). 1999;181:1506-11

Rotational versus nonrotational forceps: maternal and neonatal outcomes (Feldman et al). 1999;181:1185-7

**Infant, newborn, diseases**

Abnormal presentation in labor and fetal growth of affected infants with type III Ehlers-Danlos syndrome (Roop and Brost). 1999;181:752-3

Antibiotic use in pregnancy and drug-resistant infant sepsis (Mercer et al). 1999;181:816-21

Association between umbilical blood gas parameters and neonatal morbidity and death in neonates with pathologic fetal acidemia (Andres et al). 1999;181:867-71

Cesarean delivery of twins and neonatal respiratory disorders (Chasen et al). 1999;181:1052-6

Incidence of morbidity (LeBlanc) (Letter); (Mercer et al) (Reply). 1999;181:1581-2

Macrosomia revisited: ponderal index and leptin delineate subtypes of fetal overgrowth (Lepercq et al). 1999;181:621-5

Neonatal sepsis after betamethasone administration to patients with preterm premature rupture of membranes (Vermillion et al). 1999;181:320-7

Nucleated red blood cell count at birth as an index of perinatal brain damage (Buonocore et al). 1999;181:1500-5

Nucleated red blood cells as a marker of acidemia in term neonates (Hanlon-Lundberg and Kirby). 1999;181:196-201

Obstetric management in 219 cases of infants with hypoplastic left heart syndrome (Gilles et al) (Letter); (van de Ven) (Reply). 1999;181:226

Prediction by maternal risk factors of neonatal intensive care admissions: evaluation of >59,000 women in national managed care programs (Ross et al). 1999;181:835-42

Recent indomethacin tocolysis is not associated with neonatal complications in preterm infants (Vermillion and Newman). 1999;181:1083-6

**Infant, premature, diseases**

Delivery of the marginally preterm infant: what are the minor morbidities? (Seubert et al). 1999;181:1087-91

Multiple courses of antenatal corticosteroids and outcome of premature neonates (Banks et al). 1999;181:709-17

Recent indomethacin tocolysis is not associated with neonatal complications in preterm infants (Vermillion and Newman). 1999;181:1083-6

A systemic fetal inflammatory response and the development of bronchopulmonary dysplasia (Yoon et al). 1999;181:773-9

**Infant, small for gestational age**

Determinants of abdominal circumference (Bernstein and Catalano). 1999;181:1038 (Letter)

**Infant death**

Association between umbilical blood gas parameters and neonatal morbidity and death in neonates with pathologic fetal acidemia (Andres et al). 1999;181:867-71

**Infection**

Immunolocalization of inducible nitric oxide synthase in human amnion (Thomson et al) (Letter); (Hsu and Parkash) (Reply). 1999;181:770

Localized increase in nitric oxide production and the expression of nitric oxide synthase isoforms in rat uterus with experimental intrauterine infection (Fang et al). 1999;181:601-9

**Infertility, female**

Management of long-standing unexplained infertility: a prospective study (Aboulghar et al). 1999;181:371-5

The pattern of infertility diagnoses in women of advanced reproductive age (Miller et al). 1999;181:952-7

**Infusions, intravenous**

Intravenous infusion of magnesium sulfate and regional redistribution of fetal blood flow during maternal hemorrhage in late-gestation gravid ewes (Moon et al). 1999;181:1486-94

Oral nifedipine versus intravenous magnesium sulfate for the treatment of preterm labor (Larmon et al). 1999;181:1432-7

A randomized, double-blind trial of oral nifedipine and intravenous labetalol in hypertensive emergencies of pregnancy (Vermillion et al). 1999;181:858-61

**Inhaled administration; see Administration, inhalation**

**Inhibin**

Prospective evaluation of free  $\beta$ -subunit of human chorionic gonadotropin and dimeric inhibin A for aneuploidy detection (Wenstrom et al). 1999;181:887-92

Second-trimester maternal serum inhibin A concentration as an early marker for preeclampsia (Aquilina et al). 1999;181:131-6

**Injections**

Oral methotrexate compared with injected methotrexate when used with misoprostol for abortion (Wiebe). 1999;181:149-52

**Insemination, artificial**

The use of human immunodeficiency virus postexposure prophylaxis after successful artificial insemination (Bloch et al). 1999;181:760-1

**Insulin**

Macrosomia revisited: ponderal index and leptin delineate subtypes of fetal overgrowth (Lepercq et al). 1999;181:621-5

**Insulin resistance**

Insulin resistance and preeclampsia: is there a relationship? (Caruso et al) (Letter); (Catalano et al) (Reply). 1999;181:768-9

**Intensive care units, neonatal**

Prediction by maternal risk factors of neonatal intensive care admissions: evaluation of >59,000 women in national managed care programs (Ross et al). 1999;181:835-42

**Interleukin-1**

Expression of the placental cytokines tumor necrosis factor  $\alpha$ , interleukin  $1\beta$ , and interleukin 10 is increased in preeclampsia (Rinehart et al). 1999;181:915-20

The nuclear transcription factor NF- $\kappa$ B mediates interleukin- $1\beta$ -induced expression of cyclooxygenase-2 in human myometrial cells (Belt et al). 1999;181:359-66

**Interleukin-6**

The association of interleukin 6 with clinical and laboratory parameters of acute pelvic inflammatory disease (Richter et al). 1999;181:940-4

Association of oligohydramnios in women with preterm premature rupture of membranes with an inflammatory response in fetal, amniotic, and maternal compartments (Yoon et al). 1999;181:784-8

A systemic fetal inflammatory response and the development of bronchopulmonary dysplasia (Yoon et al). 1999;181:773-9

**Interleukin-10**

Expression of the placental cytokines tumor necrosis factor  $\alpha$ , interleukin  $1\beta$ , and interleukin 10 is increased in preeclampsia (Rinehart et al). 1999;181:915-20

**International Continence Society**

Use of the Pelvic Organ Prolapse staging system of the International Continence Society, American Urogynecologic Society, and Society of Gynecologic Surgeons in perimenopausal women (Bland et al). 1999;181:1324-8

**Internship and residency**

Residency training restructuring (Emery). 1999;181:1275-6 (Letter)

Strength of indication for cesarean delivery: comparison of private physician versus resident service labor management (Peipert et al). 1999;181:435-9

**Intra-amniotic injection; see Amniocentesis**

**Intraoperative complications**

Injury of the rectum during vaginal surgery (Hoffman et al). 1999;181:274-7

**Intrauterine devices**

The intrauterine contraceptive device: an often-forgotten and maligned method of contraception (Dardano and Burkman). 1999;181:1-5 (Clin. opinion)

The mechanism of action of hormonal contraceptives and intrauterine contraceptive devices (Rivera et al). 1999;181:1263-9 (AJOG reviews)

**Intrauterine growth restriction; see Fetal growth retardation**

**Intravaginal administration; see Administration, intravaginal**

**Ischemia**

Effect of ischemia-reperfusion on xanthine oxidase activity in fetal rat brain capillaries (Wakatsuki et al). 1999;181:731-5

**Items**

Items. 1999;181:232-4, 511-2, 771-2, 1044, 1278, 1594

**J**

**Jelly beans; see Candy**

**K**

**Karyotyping**

Utility of minor ultrasonographic markers in the prediction of abnormal fetal karyotype at a prenatal diagnostic center (Sohl et al). 1999;181:898-903

**Kynurenine**

Tryptophan metabolism in pregnant sheep: increased fetal kynurenine production in response to maternal tryptophan loading (Nicholls et al). 1999;181:1452-60

**L**

**Labetalol**

A randomized, double-blind, hemodynamic evaluation of nifedipine and labetalol in preeclamptic hypertensive emergencies (Scardo et al). 1999;181:862-6

A randomized, double-blind trial of oral nifedipine and intravenous labetalol in hypertensive emergencies of pregnancy (Vermillion et al). 1999;181:858-61

**Labor**

Collagenolysis in the lower uterine segment during parturition at term: correlations with stage of cervical dilatation and duration of labor (Winkler et al). 1999;181:153-8

Contractile activity, membrane potential, and cytoplasmic calcium concentration in human uterine smooth muscle in the third trimester of pregnancy and during labor (Parkington et al). 1999;181:1445-51

Cytokine abundance in placental tissues: evidence of inflammatory activation in gestational membranes with term and preterm parturition (Keelan et al). 1999;181:1530-6

Incidence of intrapartum maternal risk factors for identifying neonates at risk for early-onset group B streptococcal sepsis: a prospective study (Towers et al). 1999;181:1197-202

Labor and delivery characteristics and risks of cranial ultrasonographic abnormalities among very-low-birth-weight infants (Hansen et al). 1999;181:997-1006

**Labor—cont'd**

- Management of labor in Eisenmenger syndrome with inhaled nitric oxide (Lust et al). 1999;181:419-23
- A role for the novel cytokine RANTES in pregnancy and parturition (Athayde et al). 1999;181:989-94
- Safety of labor epidural anesthesia for women with severe hypertensive disease (Hogg et al). 1999;181:1096-101
- Strength of indication for cesarean delivery: comparison of private physician versus resident service labor management (Peipert et al). 1999;181:435-9
- Tissue-specific ontogenic expression of prostaglandin H synthase 2 in the ovine myometrium, endometrium, and placenta during late gestation and at spontaneous term labor (Wu et al). 1999;181:1512-9
- The tumor necrosis factor  $\alpha$  and its soluble receptor profile in term and preterm parturition (Maymon et al). 1999;181:1142-8

**Labor, induced**

- Induction of labor and cesarean section (Nicholson) (Letter); (Yeast) (Reply). 1999;181:1273-4
- Labor induction with misoprostol (Wing). 1999;181:339-45 (Clin. opinion)
- Premature rupture of membranes (Harkavy) (Letter); (Neerhof et al) (Reply). 1999;181:1274-5
- Randomized comparison between intravaginal misoprostol and dinoprostone for cervical ripening and induction of labor (Nunes et al). 1999;181:626-9
- A randomized comparison of oral misoprostol versus Foley catheter and oxytocin for induction of labor at term (Abramovici et al). 1999;181:1108-12
- Uterine rupture during induced or augmented labor in gravid women with one prior cesarean delivery (Zelop et al). 1999;181:882-6

**Labor, premature**

- Cervical length and dilatation of the internal cervical os detected by vaginal ultrasonography as markers for preterm delivery: a systematic review (Leitch et al). 1999;181:1465-72
- Cytokine abundance in placental tissues: evidence of inflammatory activation in gestational membranes with term and preterm parturition (Keelan et al). 1999;181:1530-6
- Efficacy of maintenance therapy after acute tocolysis: a meta-analysis (Sanchez-Ramos et al). 1999;181:484-90
- Excess of male fetuses in connection with twin pregnancies resulting in very preterm birth (Jakobovits) (Letter); (Cooperstock) (Reply). 1999;181:1580
- Human chorionic gonadotropin exhibits potent inhibition of preterm delivery in a small animal model (Kurtzman et al). 1999;181:853-7
- Maintenance of oral nifedipine for preterm labor: a randomized clinical trial (Carr et al). 1999;181:822-7
- Matrix metalloproteinase 9 activity in urine of patients at risk for premature delivery (Agrez et al). 1999;181:387-8
- Oral nifedipine versus intravenous magnesium sulfate for the treatment of preterm labor (Larmon et al). 1999;181:1432-7
- Predicting risk of preterm delivery by second-trimester measurement of maternal plasma corticotropin-releasing hormone and  $\alpha$ -fetoprotein concentrations (McLean et al). 1999;181:207-15
- Prediction of delivery among women with early preterm labor by means of clinical characteristics alone (Macones et al). 1999;181:1414-8

- Prediction of preterm delivery with transvaginal ultrasonography of the cervix in patients with high-risk pregnancies: does cerclage prevent prematurity? (Berghella et al). 1999;181:809-15
- The Preterm Prediction Study: effect of gestational age and cause of preterm birth on subsequent obstetric outcome (Mercer et al). 1999;181:1216-21
- The relationship between placental histology and cervical ultrasonography in women at risk for pregnancy loss and spontaneous preterm birth (Guzman et al). 1999;181:793-7
- The tumor necrosis factor  $\alpha$  and its soluble receptor profile in term and preterm parturition (Maymon et al). 1999;181:1142-8

**Labor presentation**

- Abnormal presentation in labor and fetal growth of affected infants with type III Ehlers-Danlos syndrome (Roop and Brost). 1999;181:752-3
- Effect of fetal presentation on the amniotic fluid index (Brost et al). 1999;181:1222-4
- Pregnancy outcome after successful external cephalic version (Siddiqui et al). 1999;181:1092-5

**Labor stage, first**

- Randomized comparison between intravaginal misoprostol and dinoprostone for cervical ripening and induction of labor (Nunes et al). 1999;181:626-9

**Lactation**

- The role of calcium in health and disease (Power et al). 1999;181:1560-9 (AJOG reviews)

**Lactoferrin**

- Unique epitopes of lactoferrin expressed in human cytotrophoblasts involved in immunologic reactions (Thaler et al). 1999;181:460-7

**Laparoscopy**

- The effects of carbon dioxide pneumoperitoneum on seeding of tumor in port sites in a rat model (Hopkins et al). 1999;181:1329-34
- Laparoscopic lymphadenectomy and vaginal or laparoscopic hysterectomy with bilateral salpingo-oophorectomy for endometrial cancer: morbidity and survival (Magrina et al). 1999;181:376-81
- Laparoscopically assisted vaginal hysterectomy compared with total abdominal hysterectomy (Miskry et al) (Letter); (Marana and Zupi) (Reply). 1999;181:1580-1
- Treatment of tubal pregnancy in The Netherlands: an economic comparison of systemic methotrexate administration and laparoscopic salpingostomy (Mol et al). 1999;181:945-51
- A trial of vaginal route for hysterectomy (Sheth) (Letter); (Kovac) (Reply). 1999;181:227-8
- Trocar implantation metastasis after laparoscopy in patients with advanced ovarian cancer: can the risk be reduced? (van Dam et al). 1999;181:536-41

**Laparotomy**

- Minilaparotomy hysterectomy—comments (Escamilla) (Letter); (Hoffman and Lynch) (Reply). 1999;181:1037-8

**Late gestation; see Pregnancy trimester, third****Latex**

- Atopy, the use of condoms, and a history of cesarean delivery: potential predisposing factors for latex sensitization in pregnant women (Chen et al). 1999;181:1461-4

**Lead**

- Neurobehavioral effects of low-level lead exposure in human neonates (Emory et al). 1999;181:S2-11 (Symposium)
- Threatened pregnancy: environment and reproduction at risk—overview (Pattillo). 1999;181:S1 (Symposium)



## Learning

Mentoring in gynecology (Rock). 1999;181:1293-5 (Pres. address)

## Length of stay

Risk factors for urinary tract infection in the postpartum period (Schwartz et al). 1999;181:547-53

## Leptin

Macrosomia revisited: ponderal index and leptin delineate subtypes of fetal overgrowth (Lepereq et al). 1999;181:621-5

## Letters

Letters to the Editors. 1999;181:226-31, 508-10, 767-70, 1036-43, 1270-7, 1580-2

## Leukomalacia, periventricular

Induction of antenatal periventricular leukomalacia by hemorrhagic hypotension in the chronically instrumented fetal sheep (Matsuda et al). 1999;181:725-30

## Leuprolide

The gonadotropin-releasing hormone agonist leuprolide acetate induces apoptosis and suppresses cell proliferative activity in rectovaginal endometriosis (Mizutani et al). 1999;181:750-1

## Levonorgestrel

Effects of low-dose monophasic levonorgestrel with ethinyl estradiol preparation on serum lipid levels: a twenty-four-month clinical trial (Young and DelConte). 1999;181:S59-62

The effects of a low-dose monophasic preparation of levonorgestrel and ethinyl estradiol on coagulation and other hemostatic factors (Archer et al). 1999;181:S63-6

The effects on ovarian activity of a monophasic oral contraceptive with 100 µg levonorgestrel and 20 µg ethinyl estradiol (Coney and DelConte). 1999;181:S53-8

Efficacy and safety of a low-dose monophasic combination oral contraceptive containing 100 µg levonorgestrel and 20 µg ethinyl estradiol (Alesse) (Archer et al). 1999;181:S39-44

Leading the shift to 20 µg (Archer). 1999;181:S37-8 (Guest editorial)

A multicenter randomized comparison of cycle control and laboratory findings with oral contraceptive agents containing 100 micrograms levonorgestrel with 20 micrograms ethinyl estradiol or triphasic norethindrone with ethinyl estradiol (Reisman et al). 1999;181:S45-52

## Lidocaine

A randomized, controlled trial of a eutectic mixture of local anesthetic cream (lidocaine and prilocaine) versus penile nerve block for pain relief during circumcision (Howard et al). 1999;181:1506-11

## Linitis plastica

The evolution of linitis plastica as a consequence of advanced gastric carcinoma in pregnancy (Tewari et al). 1999;181:757-8

## Lipids

Effects of low-dose monophasic levonorgestrel with ethinyl estradiol preparation on serum lipid levels: a twenty-four-month clinical trial (Young and DelConte). 1999;181:S59-62

## Lipoproteins

Lipoprotein metabolism during normal pregnancy (Brizzi et al). 1999;181:430-4

## Literature

Misleading authors' inferences in obstetric diagnostic test literature (Khan et al). 1999;181:112-5

They should have reviewed the obstetric literature (Goodlin) (Letter); (Hayslett) (Reply). 1999;181:230-1

## Liver

Determinants of abdominal circumference (Bernstein and Catalano). 1999;181:1038 (Letter)

HELLP (hemolysis, elevated liver enzymes, and low platelet count) syndrome: the benefit of corticosteroids (Tompkins and Thiagarajah). 1999;181:304-9

Maternal mortality associated with HELLP (hemolysis, elevated liver enzymes, and low platelets) syndrome (Isler et al). 1999;181:924-8

## Liver failure

Reversible peripartum liver failure: a new perspective on the diagnosis, treatment, and cause of acute fatty liver of pregnancy, based on 28 consecutive cases (Castro et al). 1999;181:389-95

## Local anesthetics; see Anesthetics, local

## Lung

A systemic fetal inflammatory response and the development of bronchopulmonary dysplasia (Yoon et al). 1999;181:773-9

## Lung diseases

Multiple courses of antenatal corticosteroids and outcome of premature neonates (Banks et al). 1999;181:709-17

## Lymph node excision

Laparoscopic lymphadenectomy and vaginal or laparoscopic hysterectomy with bilateral salpingo-oophorectomy for endometrial cancer: morbidity and survival (Magrina et al). 1999;181:376-81

## M

## Macrosomia, fetal; see Fetal macrosomia

## Magnesium sulfate

Cardiac troponin T levels in umbilical cord blood (Shelton et al). 1999;181:1259-62

Change in estimated cerebral perfusion pressure after treatment with nimodipine or magnesium sulfate in patients with preeclampsia (Belfort et al). 1999;181:402-7

The effect of magnesium sulfate on fetal heart rate parameters: a randomized, placebo-controlled trial (Hallak et al). 1999;181:1122-7

Fetal rat brain damage caused by maternal seizure activity: prevention by magnesium sulfate (Hallak et al). 1999;181:828-34

Intravenous infusion of magnesium sulfate and regional redistribution of fetal blood flow during maternal hemorrhage in late-gestation gravid ewes (Moon et al). 1999;181:1486-94

Oral nicardipine versus intravenous magnesium sulfate for the treatment of preterm labor (Larmon et al). 1999;181:1432-7

## Maintenance

Efficacy of maintenance therapy after acute tocolysis: a meta-analysis (Sanchez-Ramos et al). 1999;181:484-90

## Male

Excess of male fetuses in connection with twin pregnancies resulting in very preterm birth (Jakobovits) (Letter); (Cooperstock) (Reply). 1999;181:1580

## Male partners; see Sexual partners

## Mammography

Mammographic breast density during hormone replacement therapy: differences according to treatment (Lundström et al). 1999;181:348-52

## Managed care programs

Managed care in obstetrics and gynecology: can our specialty survive? (Harrison). 1999;181:328-31

Prediction by maternal risk factors of neonatal intensive care admissions: evaluation of >59,000 women in national managed care programs (Ross et al). 1999;181:835-42

## Marshall-Marchetti-Krantz urethropexy; see Urethra, surgery

**Mass screening**

Incorrect recall of residual risk three years after carrier screening for cystic fibrosis: a comparison of two-step and couple screening (Marteau et al). 1999;181:165-9

Second-trimester maternal serum marker screening: maternal serum  $\alpha$ -fetoprotein,  $\beta$ -human chorionic gonadotropin, estriol, and their various combinations as predictors of pregnancy outcome (Yaron et al). 1999;181:968-74

Universal versus selective gestational diabetes screening: application of 1997 American Diabetes Association recommendations (Danilenko-Dixon et al). 1999;181:798-802

**Maternal behavior**

Cigarette smoking during pregnancy and risk of preeclampsia: a systematic review (Conde-Agudelo et al). 1999;181:1026-35 (AJOG reviews)

Nicotine patch use in pregnant smokers: nicotine and cotinine levels and fetal effects (Ogburn et al). 1999;181:736-43

The puzzling association between smoking and hypertension during pregnancy (Zhang et al). 1999;181:1407-13

Racial patterns in the effects of tobacco use on fetal growth (Sprau et al). 1999;181:S22-7 (Symposium)

Urinary cotinine concentration confirms the reduced risk of preeclampsia with tobacco exposure (Lain et al). 1999;181:1192-6

**Maternal blood; see Blood****Maternal circulation; see Blood circulation****Maternal-fetal exchange**

Behavioral changes in developing mice after prenatal exposure to paroxetine (Paxil) (Coleman et al). 1999;181:1166-71

**Maternal outcome; see Pregnancy outcome****May-Hegglin anomaly**

May-Hegglin anomaly and uncomplicated vaginal delivery: a report of 41 cases (Bizzaro). 1999;181:226-7 (Letter)

**Membrane potentials**

Contractile activity, membrane potential, and cytoplasmic calcium concentration in human uterine smooth muscle in the third trimester of pregnancy and during labor (Parkington et al). 1999;181:1445-51

Oxygen-dependent regulation of membrane potential and vascular tone of human umbilical vein (Mildenberger et al). 1999;181:696-703

**Membranes**

Cytokine abundance in placental tissues: evidence of inflammatory activation in gestational membranes with term and preterm parturition (Keelan et al). 1999;181:1530-6

**Menopause**

Efficacy and safety of low, standard, and high dosages of an estradiol transdermal system (Estrim) compared with placebo on vasomotor symptoms in highly symptomatic menopausal patients (Utian et al). 1999;181:71-9

An evaluation of risk factors for endometrial hyperplasia in premenopausal women with abnormal menstrual bleeding (Farquhar et al). 1999;181:525-9

Reduced thermoregulatory null zone in postmenopausal women with hot flashes (Freedman and Krell). 1999;181:66-70

Selective estrogen receptor modulators (Ansbacher) (Letter); (Goldstein) (Reply). 1999;181:1036

Sequentially combined hormone replacement therapy reduces impedance to flow within the uterine and central retinal arteries in healthy postmenopausal women (van Baal et al). 1999;181:1365-73

Use of the Pelvic Organ Prolapse staging system of the International Continence Society, American Urogynecologic Society, and Society of Gynecologic Surgeons in perimenopausal women (Bland et al). 1999;181:1324-8

**Menstrual cycle**

Localization and expression of oxytocin receptor and its messenger ribonucleic acid in peri-implantation phase human endometrium during control and clomiphene-treated cycles (Dawood et al). 1999;181:50-6

A multicenter randomized comparison of cycle control and laboratory findings with oral contraceptive agents containing 100 micrograms levonorgestrel with 20 micrograms ethinyl estradiol or triphasic norethindrone with ethinyl estradiol (Reisman et al). 1999;181:S45-52

**Menstruation**

An evaluation of risk factors for endometrial hyperplasia in premenopausal women with abnormal menstrual bleeding (Farquhar et al). 1999;181:525-9

**Mentors**

Mentoring in gynecology (Rock). 1999;181:1293-5 (Pres. address)

**Mesh, surgical; see Surgical mesh****Messenger RNA; see RNA, messenger****Metabolic acidosis; see Acidosis****Metabolism**

Effects of nitroglycerin and indomethacin on fetal-maternal circulation and on fetal cerebral blood flow and metabolism in sheep (Skarsgard et al). 1999;181:440-5

Gestational diabetes mellitus: metabolic and blood glucose parameters in singleton versus twin pregnancies (Schwartz et al). 1999;181:912-4

Lipoprotein metabolism during normal pregnancy (Brizzi et al). 1999;181:430-4

Tryptophan metabolism in pregnant sheep: increased fetal kynurenine production in response to maternal tryptophan loading (Nicholls et al). 1999;181:1452-60

**Metalloproteinases**

Effect of human seminal fluid on production of messenger ribonucleic acid for metalloproteinase 2 and metalloproteinase 9 in cervical epithelial carcinoma cells (Jeremias and Witkin). 1999;181:591-5

Matrix metalloproteinase 9 activity in urine of patients at risk for premature delivery (Agrez et al). 1999;181:387-8

**Metastasis; see Neoplasm metastasis****Methotrexate**

Efficacy of methotrexate treatment in viable and nonviable cervical pregnancies (Kung and Chang). 1999;181:1438-44

Oral methotrexate compared with injected methotrexate when used with misoprostol for abortion (Wiebe). 1999;181:149-52

Treatment of tubal pregnancy in The Netherlands: an economic comparison of systemic methotrexate administration and laparoscopic salpingostomy (Mol et al). 1999;181:945-51

**Methylenetetrahydrofolate**

Polymorphism for mutation of cytosine to thymine at location 677 in the methylenetetrahydrofolate reductase gene is associated with recurrent early fetal loss (Lissak et al). 1999;181:126-30

Unusual cases of severe thrombotic episodes during the peripartum period (Ban et al) (Letter); (Grandone et al) (Reply). 1999;181:1040-1

**Midtrimester of pregnancy; see Pregnancy trimester, second**

### Mifepristone

- Early pregnancy termination with intravaginally administered sodium chloride solution-moistened misoprostol tablets: historical comparison with mifepristone and oral misoprostol (Jain et al). 1999;181:1386-91
- Use of various ultrasonographic criteria to evaluate the efficacy of mifepristone and misoprostol for medical abortion (Creinin and Spitz). 1999;181:1419-24

### Miscarriage; see Abortion, spontaneous

### Misoprostol

- Early pregnancy termination with intravaginally administered sodium chloride solution-moistened misoprostol tablets: historical comparison with mifepristone and oral misoprostol (Jain et al). 1999;181:1386-91
- Labor induction with misoprostol (Wing). 1999;181:339-45 (Clin. opinion)
- Oral methotrexate compared with injected methotrexate when used with misoprostol for abortion (Wiebe). 1999;181:149-52
- Randomized comparison between intravaginal misoprostol and dinoprostone for cervical ripening and induction of labor (Nunes et al). 1999;181:626-9
- A randomized comparison of oral misoprostol versus Foley catheter and oxytocin for induction of labor at term (Abramovici et al). 1999;181:1108-12
- Second-trimester uterine evacuation: a comparison of intra-amniotic (15S)-15-methyl-prostaglandin F<sub>2α</sub> and intravaginal misoprostol (Perry et al). 1999;181:1057-61
- Use of various ultrasonographic criteria to evaluate the efficacy of mifepristone and misoprostol for medical abortion (Creinin and Spitz). 1999;181:1419-24

### Mitogens

- Oxytocin activates mitogen-activated protein kinase and up-regulates cyclooxygenase-2 and prostaglandin production in human myometrial cells (Molnár et al). 1999;181:42-9

### Molar pregnancy; see Hydatidiform mole

### Monoclonal antibodies; see Antibodies, monoclonal

### Morbidity

- Association between umbilical blood gas parameters and neonatal morbidity and death in neonates with pathologic fetal acidemia (Andres et al). 1999;181:867-71
- The clinical significance of intermittent sinusoidal fetal heart rate (Egley) (Letter); (Kang and Boehm) (Reply). 1999;181:1041-2
- Delivery of the marginally preterm infant: what are the minor morbidities? (Seubert et al). 1999;181:1087-91
- Incidence of morbidity (LeBlanc) (Letter); (Mercer et al) (Reply). 1999;181:1581-2
- Laparoscopic lymphadenectomy and vaginal or laparoscopic hysterectomy with bilateral salpingo-oophorectomy for endometrial cancer: morbidity and survival (Magrina et al). 1999;181:376-81
- Work and pregnancy: the role of fatigue and the "second shift" on antenatal morbidity (Luke et al). 1999;181:1172-9

### Morbidity Assessment Index for Newborns

- Morbidity Assessment Index for Newborns: a composite tool for measuring newborn health (Verma et al). 1999;181:701-8

### Müllerian ducts

- Incidence of uterine rupture among women with müllerian duct anomalies who attempt vaginal birth after cesarean delivery (Ravasia et al). 1999;181:877-81

### Multiparity; see Parity

### Multiple gestations; see Pregnancy, multiple

### Muscle, smooth

- Contractile activity, membrane potential, and cytoplasmic calcium concentration in human uterine smooth muscle in the third trimester of pregnancy and during labor (Parkington et al). 1999;181:1445-51

### Mutation

- Polymorphism for mutation of cytosine to thymine at location 677 in the methylenetetrahydrofolate reductase gene is associated with recurrent early fetal loss (Lissak et al). 1999;181:126-30
- Unusual cases of severe thrombotic episodes during the peripartum period (Ban et al) (Letter); (Grandone et al) (Reply). 1999;181:1040-1

### Myocardial diseases

- Peripartum cardiomyopathy: summary of an international survey on peripartum cardiomyopathy (Veille and Zaccaro). 1999;181:315-9

### Myometrium

- A comparative study of vascular responsiveness of myometrial and omental small resistance arteries in late-gestation sheep (Anwar et al). 1999;181:663-8
- Decreasing estrogen in nonpregnant women lowers uterine myometrial type I nitric oxide synthase protein expression (Weeks et al). 1999;181:25-30
- Functional and molecular characterization of nitric oxide synthase in the endometrium and myometrium of pregnant sheep during the last third of gestation (Massmann et al). 1999;181:116-25
- Intracellular calcium stores and agonist-induced contractions in isolated human myometrium (Luckas et al). 1999;181:468-76
- The nuclear transcription factor NF- $\kappa$ B mediates interleukin-1 $\beta$ -induced expression of cyclooxygenase-2 in human myometrial cells (Belt et al). 1999;181:359-66
- Oxytocin activates mitogen-activated protein kinase and up-regulates cyclooxygenase-2 and prostaglandin production in human myometrial cells (Molnár et al). 1999;181:42-9
- Oxytocin-stimulated capacitative calcium entry in human myometrial cells (Monga et al). 1999;181:424-9
- Tissue-specific ontogenic expression of prostaglandin H synthase 2 in the ovine myometrium, endometrium, and placenta during late gestation and at spontaneous term labor (Wu et al). 1999;181:1512-9

### N

### National Institute of Child Health and Human Development

- New opportunities for researchers in obstetrics and gynecology through programs supported by the National Institute of Child Health and Human Development (McNellis and Alexander). 1999;181:221-5 (Education)

### Neonatal intensive care units; see Intensive care units, neonatal

### Neonatal screening

- Morbidity Assessment Index for Newborns: a composite tool for measuring newborn health (Verma et al). 1999;181:701-8

### Neonate; see Infant, newborn

### Neoplasm metastasis

- Trocar implantation metastasis after laparoscopy in patients with advanced ovarian cancer: can the risk be reduced? (van Dam et al). 1999;181:536-41

### Neoplasm staging

- Significance of true surgical pathologic staging: a Gynecologic Oncology Group study (Creasman et al). 1999;181:31-4

**Neoplasms**

Molar pregnancy and risk for cancer in women and their male partners (Olsen et al). 1999;181:630-4

**Neopterin**

Neopterin concentrations in fetal and maternal blood: a marker of cell-mediated immune activation (Radunovic et al). 1999;181:170-3

**Neovascularization**

Angiogenesis in cervical intraepithelial neoplasia and the risk of recurrence (Tjalma et al). 1999;181:554-9

**Nephrotic syndrome**

They should have reviewed the obstetric literature (Goodlin) (Letter); (Hayslett) (Reply). 1999;181:230-1

**Nerve block**

A randomized, controlled trial of a eutectic mixture of local anesthetic cream (lidocaine and prilocaine) versus penile nerve block for pain relief during circumcision (Howard et al). 1999;181:1506-11

**Nerve growth factors**

Nerve growth factor, brain-derived neurotrophic factor, and neurotrophin-3 levels in human amniotic fluid (Marx et al). 1999;181:1125-30

**The Netherlands**

Treatment of tubal pregnancy in The Netherlands: an economic comparison of systemic methotrexate administration and laparoscopic salpingostomy (Mol et al). 1999;181:945-51

**Neural tube defects**

A flawed experiment, again (Kalter) (Letter); (Wiznitzer and Reece) (Reply). 1999;181:1039-40

**Neurobehavioral effects; see Child development****Neurobiology**

Neurobiology of infants born to women who exercise regularly throughout pregnancy (Friedman). 1999;181:1038-9 (Letter)

**Neurologic manifestations**

Cerebral arteriovenous malformation in pregnancy: presentation and neurologic, obstetric, and ethical significance (Finnerty et al). 1999;181:296-303

Predictive value of fetal scalp blood lactate concentration and pH as markers of neurologic disability (Kruger et al). 1999;181:1072-8

**Neurons**

Nerve growth factor, brain-derived neurotrophic factor, and neurotrophin-3 levels in human amniotic fluid (Marx et al). 1999;181:1125-30

**Neuropeptide Y**

Neuropeptide Y and nitrite levels in preeclamptic and normotensive gravid women (Egerman et al). 1999;181:921-3

**Neutrophils**

Maternal neutrophil apoptosis in normal pregnancy, preeclampsia, and normotensive intrauterine growth restriction (von Dadelszen et al). 1999;181:408-14

**Newborn infant; see Infant, newborn****NF- $\kappa$ B**

The nuclear transcription factor NF- $\kappa$ B mediates interleukin-1 $\beta$ -induced expression of cyclooxygenase-2 in human myometrial cells (Belt et al). 1999;181:359-66

**Nicardipine**

Oral nicardipine versus intravenous magnesium sulfate for the treatment of preterm labor (Larmon et al). 1999;181:1432-7

**Nicotine**

Nicotine patch use in pregnant smokers: nicotine and cotinine levels and fetal effects (Ogburn et al). 1999;181:736-43

**Nifedipine**

Maintenance of oral nifedipine for preterm labor: a randomized clinical trial (Carr et al). 1999;181:822-7

A randomized, double-blind, hemodynamic evaluation of nifedipine and labetalol in preeclamptic hypertensive emergencies (Scardo et al). 1999;181:862-6

A randomized, double-blind trial of oral nifedipine and intravenous labetalol in hypertensive emergencies of pregnancy (Vermillion et al). 1999;181:858-61

**Nimodipine**

Change in estimated cerebral perfusion pressure after treatment with nimodipine or magnesium sulfate in patients with preeclampsia (Belfort et al). 1999;181:402-7

**Nipples**

A novel correction of inverted nipples during pregnancy (Scholten). 1999;181:228-9 (Letter)

**Nitric oxide**

Decreasing estrogen in nonpregnant women lowers uterine myometrial type I nitric oxide synthase protein expression (Weeks et al). 1999;181:25-30

The effect of chronic nitric oxide synthase inhibition on blood pressure and heart rate in unrestrained pregnant rats as recorded by radiotelemetry (Buhimschi et al). 1999;181:159-64

Effect of nitric oxide and carbon monoxide on uterine contractility during human and rat pregnancy (Longo et al). 1999;181:981-8

Effect of placental tissue on inhibition of uterine contraction by nitric oxide donors (Syal et al). 1999;181:415-8

Effects of acute and chronic hypoxia on nitric oxide-mediated relaxation of fetal guinea pig arteries (Thompson and Weiner). 1999;181:105-11

Functional and molecular characterization of nitric oxide synthase in the endometrium and myometrium of pregnant sheep during the last third of gestation (Massmann et al). 1999;181:116-25

Immunolocalization of inducible nitric oxide synthase in human amnion (Thomson et al) (Letter); (Hsu and Parkash) (Reply). 1999;181:770

Localized increase in nitric oxide production and the expression of nitric oxide synthase isoforms in rat uterus with experimental intrauterine infection (Fang et al). 1999;181:601-9

Management of labor in Eisenmenger syndrome with inhaled nitric oxide (Lust et al). 1999;181:419-23

Roles of potassium channels and nitric oxide in modulation of uterine contractions in rat pregnancy (Okawa et al). 1999;181:649-55

Stimulated nitric oxide release and nitric oxide sensitivity in forearm arterial vasculature during normotensive and preeclamptic pregnancy (Anumba et al). 1999;181:1479-85

**Nitrites**

Neuropeptide Y and nitrite levels in preeclamptic and normotensive gravid women (Egerman et al). 1999;181:921-3

**Nitroglycerin**

Effects of nitroglycerin and indomethacin on fetal-maternal circulation and on fetal cerebral blood flow and metabolism in sheep (Skarsgard et al). 1999;181:440-5

**Nonstress test; see Fetal monitoring**



### Norethindrone

A multicenter randomized comparison of cycle control and laboratory findings with oral contraceptive agents containing 100 micrograms levonorgestrel with 20 micrograms ethinyl estradiol or triphasic norethindrone with ethinyl estradiol (Reisman et al). 1999;181:S45-52

### Norplant; *see* Contraceptive devices, female

### Nuclear magnetic resonance

Hypoxia, the subsequent systemic metabolic acidosis, and their relationship with cerebral metabolite concentrations: an in vivo study in fetal lambs with proton magnetic resonance spectroscopy (van Walsum et al). 1999;181:1537-45

Nulliparity; *see* Parity

## O

### Observer variation

Misleading authors' inferences in obstetric diagnostic test literature (Khan et al). 1999;181:112-5

### Obstetric outcome; *see* Pregnancy outcome

### Obstetrical forceps

Rotational versus nonrotational forceps: maternal and neonatal outcomes (Feldman et al). 1999;181:1185-7

### Obstetrics

Acute pancreatitis after gynecologic and obstetric surgery (Ramsey and Podratz). 1999;181:542-6

Cerebral arteriovenous malformation in pregnancy: presentation and neurologic, obstetric, and ethical significance (Finnerty et al). 1999;181:296-303

Images, imagination and ideas: a perspective on the impact of ultrasonography on the practice of obstetrics and gynecology (Wade). 1999;181:235-9 (Pres. address)

Managed care in obstetrics and gynecology: can our specialty survive? (Harrison). 1999;181:328-31

New opportunities for researchers in obstetrics and gynecology through programs supported by the National Institute of Child Health and Human Development (McNellis and Alexander). 1999;181:221-5 (Education)

Reproductive physician-scientists for the twenty-first century (Longo et al). 1999;181:934-9 (Clin. opinion)

Residency training restructuring (Emery). 1999;181:1275-6 (Letter)

### Office, physician; *see* Physicians' offices

### Oligohydramnios

Association of oligohydramnios in women with preterm premature rupture of membranes with an inflammatory response in fetal, amniotic, and maternal compartments (Yoon et al). 1999;181:784-8

### Omentum, blood supply

A comparative study of vascular responsiveness of myometrial and omental small resistance arteries in late-gestation sheep (Anwar et al). 1999;181:663-8

### Operation, gynecologic; *see* Surgery, gynecologic

### Oral administration; *see* Administration, oral

### Oral contraceptives; *see* Contraceptives, oral

### Oscillometry

Comparison of auscultatory and oscillometric automated blood pressure monitors in the setting of preeclampsia (Natarajan et al). 1999;181:1203-10

### Osteoporosis

The role of calcium in health and disease (Power et al). 1999;181:1560-9 (AJOG reviews)

### Outcome of pregnancy; *see* Pregnancy outcome

### Outpatient care; *see* Ambulatory care

### Ovarian cysts

Progestogen therapy during pituitary desensitization with gonadotropin-releasing hormone agonist prevents functional ovarian cyst formation: a prospective, randomized study (Engmann et al). 1999;181:576-82

### Ovarian neoplasms

Adnexal masses in pregnancy: a review of 130 cases undergoing surgical management (Whitcar et al). 1999;181:19-24

A comparison of methods for preoperative discrimination between malignant and benign adnexal masses: the development of a new logistic regression model (Timmerman et al). 1999;181:57-65

Correlation of asbestos fiber burdens in fallopian tubes and ovarian tissue (Heller et al). 1999;181:346-7

The effects of carbon dioxide pneumoperitoneum on seeding of tumor in port sites in a rat model (Hopkins et al). 1999;181:1329-34

Monoclonal antibody MAb-170 for immunoscintigraphic detection of ovarian tumors (Alexander et al). 1999;181:513-7

Surgical resection alone is effective treatment for ovarian immature teratoma in children and adolescents: a report of the Pediatric Oncology Group and the Children's Cancer Group (Cushing et al). 1999;181:353-8

Trocar implantation metastasis after laparoscopy in patients with advanced ovarian cancer: can the risk be reduced? (van Dam et al). 1999;181:536-41

### Ovariectomy

Laparoscopic lymphadenectomy and vaginal or laparoscopic hysterectomy with bilateral salpingo-oophorectomy for endometrial cancer: morbidity and survival (Magrina et al). 1999;181:376-81

### Ovary

The effects on ovarian activity of a monophasic oral contraceptive with 100 µg levonorgestrel and 20 µg ethinyl estradiol (Coney and DelConte). 1999;181:S53-8

### Ovum implantation

Localization and expression of oxytocin receptor and its messenger ribonucleic acid in peri-implantation phase human endometrium during control and clomiphene-treated cycles (Dawood et al). 1999;181:50-6

### Oximetry

Doppler ultrasonographic evidence of intrapartum brain-sparing effect in fetuses with low oxygen saturation according to pulse oximetry (Sütterlin et al). 1999;181:216-20

### Oxygen

Doppler ultrasonographic evidence of intrapartum brain-sparing effect in fetuses with low oxygen saturation according to pulse oximetry (Sütterlin et al). 1999;181:216-20

Oxygen-dependent regulation of membrane potential and vascular tone of human umbilical vein (Mildenberger et al). 1999;181:696-700

Relationship between flow through the fetal aortic isthmus and cerebral oxygenation during acute placental circulatory insufficiency in ovine fetuses (Fouron et al). 1999;181:1102-7

**Oxytocin**

- Intracellular calcium stores and agonist-induced contractions in isolated human myometrium (Luckas et al). 1999;181:468-76
- Localization and expression of oxytocin receptor and its messenger ribonucleic acid in peri-implantation phase human endometrium during control and clomiphene-treated cycles (Dawood et al). 1999;181:50-6
- Oxytocin activates mitogen-activated protein kinase and up-regulates cyclooxygenase-2 and prostaglandin production in human myometrial cells (Molnár et al). 1999;181:42-9
- Oxytocin-stimulated capacitative calcium entry in human myometrial cells (Monga et al). 1999;181:424-9
- Uterine rupture during induced or augmented labor in gravid women with one prior cesarean delivery (Zelop et al). 1999;181:882-6

**P****Pain**

- A randomized, controlled trial of a eutectic mixture of local anesthetic cream (lidocaine and prilocaine) versus penile nerve block for pain relief during circumcision (Howard et al). 1999;181:1506-11

**Pancreatitis**

- Acute pancreatitis after gynecologic and obstetric surgery (Ramsey and Podratz). 1999;181:542-6

**Papanicolaou smear; see Vaginal smears****Papillomaviruses**

- Assessing gains in diagnostic utility when human papillomavirus testing is used as an adjunct to Papanicolaou smear in the triage of women with cervical cytologic abnormalities (Franco and Ferenczy). 1999;181:382-6
- Spontaneous resolution rate of grade I cervical intraepithelial neoplasia in a private practice population (Falls). 1999;181:278-82

**Parity**

- Episiotomy, operative vaginal delivery, and significant perineal trauma in nulliparous women (Robinson et al). 1999;181:1180-4
- Perinatal outcome in grand and great-grand multiparity: effects of parity on obstetric risk factors (Babinski et al). 1999;181:669-74
- Singleton term breech deliveries in nulliparous and multiparous women: a 5-year experience at The University of Miami/Jackson Memorial Hospital (Diro et al). 1999;181:247-52

**Paroxetine**

- Behavioral changes in developing mice after prenatal exposure to paroxetine (Paxil) (Coleman et al). 1999;181:1166-71

**Parturition; see Labor****Patient compliance**

- Observed patient compliance with a structured outpatient bladder retraining program (Visco et al). 1999;181:1392-4

**Pediatric Oncology Group**

- Surgical resection alone is effective treatment for ovarian immature teratoma in children and adolescents: a report of the Pediatric Oncology Group and the Children's Cancer Group (Cushing et al). 1999;181:353-8

**Pelvic inflammatory disease; see Adnexitis****Pelvic organ prolapse; see Uterine prolapse****Pelvis**

- Enriching research culture in residency (Al-Hendy) (Letter); (DeLancey) (Reply). 1999;181:1271
- Puerperal septic pelvic thrombophlebitis: incidence and response to heparin therapy (Brown et al). 1999;181:143-8

**Penis**

- A randomized, controlled trial of a eutectic mixture of local anesthetic cream (lidocaine and prilocaine) versus penile nerve block for pain relief during circumcision (Howard et al). 1999;181:1506-11

**Perfusion**

- Change in estimated cerebral perfusion pressure after treatment with nimodipine or magnesium sulfate in patients with preeclampsia (Belfort et al). 1999;181:402-7
- Syncytiotrophoblastic fragments in first-trimester decidual veins: evidence of placental perfusion by the maternal circulation early in pregnancy (Craven and Ward). 1999;181:455-9

**Perianastomotic adhesions; see Adhesions****Perimenopausal women; see Menopause****Perineum**

- Episiotomy, operative vaginal delivery, and significant perineal trauma in nulliparous women (Robinson et al). 1999;181:1180-4
- Transperineal versus endovaginal ultrasonographic examination of the cervix in the midtrimester: a blinded comparison (Owen et al). 1999;181:780-3

**Periventricular leukomalacia; see Leukomalacia, periventricular****Pessaries**

- Estradiol-delivering vaginal rings for hormone replacement therapy (Nash et al). 1999;181:1400-6

**pH; see Hydrogen-ion concentration****Pharmacokinetics**

- Changes in the pharmacokinetics of the low-molecular-weight heparin enoxaparin sodium during pregnancy (Casele et al). 1999;181:1113-7

**Physical abuse; see Spouse abuse****Physicians**

- Reproductive physician-scientists for the twenty-first century (Longo et al). 1999;181:934-9 (Clin. opinion)

**Physicians' offices**

- The infrequent use of office-based diagnostic tests for vaginitis (Wiesenfeld and Macio). 1999;181:39-41

**Physician's practice patterns**

- Setting goals for reductions in Canadian cesarean delivery rates: benchmarking medical practice patterns (Richman). 1999;181:635-7

**Pituitary gland**

- Progestogen therapy during pituitary desensitization with gonadotropin-releasing hormone agonist prevents functional ovarian cyst formation: a prospective, randomized study (Engmann et al). 1999;181:576-82

**Placenta**

- Cannabinoid receptors and their role in the regulation of the serotonin transporter in human placenta (Kenney et al). 1999;181:491-7
- Cytokine abundance in placental tissues: evidence of inflammatory activation in gestational membranes with term and preterm parturition (Keelan et al). 1999;181:1530-6

- Different placentation patterns in viable compared with nonviable tubal pregnancy suggest a divergent clinical management (Kemp et al). 1999;181:615-20
- Effect of placental tissue on inhibition of uterine contraction by nitric oxide donors (Syal et al). 1999;181:415-8
- Elevated level of free 8-iso-prostaglandin  $F_{2\alpha}$  in the decidua basalis of women with preeclampsia (Staff et al). 1999;181:1211-5
- Expression of the placental cytokines tumor necrosis factor  $\alpha$ , interleukin  $1\beta$ , and interleukin 10 is increased in preeclampsia (Rinehart et al). 1999;181:915-20
- Maternal arterial connections to the placental intervillous space during the first trimester of human pregnancy: the Boyd Collection revisited (Burton et al). 1999;181:718-24
- Normal expression of tissue factor, thrombomodulin, and annexin V in placentas from women with antiphospholipid syndrome (Lakasing et al). 1999;181:180-9
- Relationship between flow through the fetal aortic isthmus and cerebral oxygenation during acute placental circulatory insufficiency in ovine fetuses (Fouron et al). 1999;181:1102-7
- The relationship between placental histology and cervical ultrasonography in women at risk for pregnancy loss and spontaneous preterm birth (Guzman et al). 1999;181:793-7
- Syncytiotrophoblastic fragments in first-trimester decidual veins: evidence of placental perfusion by the maternal circulation early in pregnancy (Craven and Ward). 1999;181:455-9
- Tissue-specific ontogenic expression of prostaglandin H synthase 2 in the ovine myometrium, endometrium, and placenta during late gestation and at spontaneous term labor (Wu et al). 1999;181:1512-9
- Unique epitopes of lactoferrin expressed in human cytotrophoblasts involved in immunologic reactions (Thaler et al). 1999;181:460-7
- Plasma**
- Predicting risk of preterm delivery by second-trimester measurement of maternal plasma corticotropin-releasing hormone and  $\alpha$ -fetoprotein concentrations (McLean et al). 1999;181:207-15
- Platelet count**
- HELLP (hemolysis, elevated liver enzymes, and low platelet count) syndrome: the benefit of corticosteroids (Tompkins and Thiagarajah). 1999;181:304-9
- Maternal mortality associated with HELLP (hemolysis, elevated liver enzymes, and low platelets) syndrome (Isler et al). 1999;181:924-8
- Platelets; see Blood platelets**
- Pneumoperitoneum**
- The effects of carbon dioxide pneumoperitoneum on seeding of tumor in port sites in a rat model (Hopkins et al). 1999;181:1329-34
- Polyhydramnios**
- Idiopathic polyhydramnios and perinatal outcome (Panting-Kemp et al). 1999;181:1079-82
- Relationship between graded degrees of anemia and amniotic fluid volume in the ovine fetus (Sohl and Brace). 1999;181:1552-9
- Polymorphism**
- Polymorphism for mutation of cytosine to thymine at location 677 in the methylenetetrahydrofolate reductase gene is associated with recurrent early fetal loss (Lissak et al). 1999;181:126-30
- Postmenopause; see Menopause**
- Postoperative complications**
- Acute pancreatitis after gynecologic and obstetric surgery (Ramsey and Podratz). 1999;181:542-6
- Risk adjustment for complications of hysterectomy: limitations of routinely collected administrative data (Myers and Steege). 1999;181:567-75
- Potassium channels**
- Roles of potassium channels and nitric oxide in modulation of uterine contractions in rat pregnancy (Okawa et al). 1999;181:649-55
- Poverty**
- Teen pregnancy—problems and approaches: panel presentation (Foster et al). 1999;181:S32-6 (Symposium)
- Predictive value of tests**
- Positive predictive value of suspected growth aberration in twin gestations (Grobman and Parilla). 1999;181:1139-41
- Predictive value of fetal scalp blood lactate concentration and pH as markers of neurologic disability (Kruger et al). 1999;181:1072-8
- Preeclampsia; see also Pregnancy complications, cardiovascular**
- Change in estimated cerebral perfusion pressure after treatment with nimodipine or magnesium sulfate in patients with preeclampsia (Belfort et al). 1999;181:402-7
- Cigarette smoking during pregnancy and risk of preeclampsia: a systematic review (Conde-Agudelo et al). 1999;181:1026-35 (AJOG reviews)
- Comparison of auscultatory and oscillometric automated blood pressure monitors in the setting of preeclampsia (Natarajan et al). 1999;181:1203-10
- The effect of an endothelin antagonist on blood pressure in a rat model of preeclampsia (Olson et al). 1999;181:638-41
- Elevated level of free 8-iso-prostaglandin  $F_{2\alpha}$  in the decidua basalis of women with preeclampsia (Staff et al). 1999;181:1211-5
- Erythrocyte life span, preeclampsia, and hypercoagulability (Lurie and Glezerman) (Letter); (Kaibara) (Reply). 1999;181:1276-7
- Etiology and pathogenesis of preeclampsia: current concepts (Schuiling and Faas) (Letter); (Dekker and Sibai) (Reply). 1999;181:1036-7
- Expression of the placental cytokines tumor necrosis factor  $\alpha$ , interleukin  $1\beta$ , and interleukin 10 is increased in preeclampsia (Rinehart et al). 1999;181:915-20
- Insulin resistance and preeclampsia: is there a relationship? (Caruso et al) (Letter); (Catalano et al) (Reply). 1999;181:768-9
- Maternal neutrophil apoptosis in normal pregnancy, preeclampsia, and normotensive intrauterine growth restriction (von Dadelszen et al). 1999;181:408-14
- Neuropeptide Y and nitrite levels in preeclamptic and normotensive gravid women (Egerman et al). 1999;181:921-3
- Preeclampsia and genetic risk factors for thrombosis: a case-control study (De Groot et al). 1999;181:975-80
- A randomized, double-blind, hemodynamic evaluation of nifedipine and labetalol in preeclamptic hypertensive emergencies (Scardo et al). 1999;181:862-6
- Safety of labor epidural anesthesia for women with severe hypertensive disease (Hogg et al). 1999;181:1096-101
- Second-trimester maternal serum inhibin A concentration as an early marker for preeclampsia (Aquilina et al). 1999;181:131-6

**Preeclampsia; see also Pregnancy complications, cardiovascular—cont'd**

- Stimulated nitric oxide release and nitric oxide sensitivity in forearm arterial vasculature during normotensive and preeclamptic pregnancy (Anumba et al). 1999;181:1479-85
- They should have reviewed the obstetric literature (Goodlin) (Letter); (Hayslett) (Reply). 1999;181:230-1
- Too little, too late (Sullivan et al) (Letter); (Sibai) (Reply). 1999;181:508-9
- Urinary cotinine concentration confirms the reduced risk of preeclampsia with tobacco exposure (Lain et al). 1999;181:1192-6

**Pregnancy**

- Work and pregnancy: the role of fatigue and the "second shift" on antenatal morbidity (Luke et al). 1999;181:1172-9

**Pregnancy, cervical**

- Efficacy of methotrexate treatment in viable and nonviable cervical pregnancies (Kung and Chang). 1999;181:1438-44

**Pregnancy, drug effects**

- Cannabinoid receptors and their role in the regulation of the serotonin transporter in human placenta (Kenney et al). 1999;181:491-7

**Pregnancy, ectopic**

- Different placentation patterns in viable compared with nonviable tubal pregnancy suggest a divergent clinical management (Kemp et al). 1999;181:615-20

**Pregnancy, multiple**

- Aggressive perinatal care for high-order multiple gestations: does good perinatal outcome justify aggressive assisted reproductive techniques? (Angel et al). 1999;181:253-9
- Cesarean delivery of twins and neonatal respiratory disorders (Chasen et al). 1999;181:1052-6
- Comprehensive fetal ultrasonographic growth measurements in triplet gestations (Rodis et al). 1999;181:1128-32
- Excess of male fetuses in connection with twin pregnancies resulting in very preterm birth (Jakobovits) (Letter); (Cooperstock) (Reply). 1999;181:1580
- Gestational diabetes mellitus: metabolic and blood glucose parameters in singleton versus twin pregnancies (Schwartz et al). 1999;181:912-4
- Maturation of cortisol responses to adrenocorticotrophic hormone in twin fetal sheep in vivo (Block et al). 1999;181:498-502
- Positive predictive value of suspected growth aberration in twin gestations (Grobman and Parilla). 1999;181:1139-41
- Ultrasonographic diagnosis of thoracopagus conjoined twins in a monoamniotic triplet gestation (Wax et al). 1999;181:755-6

**Pregnancy, physiology**

- Changes in the pharmacokinetics of the low-molecular-weight heparin enoxaparin sodium during pregnancy (Casele et al). 1999;181:1113-7
- A comparative study of vascular responsiveness of myometrial and omental small resistance arteries in late-gestation sheep (Anwar et al). 1999;181:663-8
- Effect of nitric oxide and carbon monoxide on uterine contractility during human and rat pregnancy (Longo et al). 1999;181:981-8
- Effect of placental tissue on inhibition of uterine contraction by nitric oxide donors (Syal et al). 1999;181:415-8
- Lipoprotein metabolism during normal pregnancy (Brizzi et al). 1999;181:430-4

- Oxytocin-stimulated capacitative calcium entry in human myometrial cells (Monga et al). 1999;181:424-9

- A role for the novel cytokine RANTES in pregnancy and parturition (Athayde et al). 1999;181:989-94

- Roles of potassium channels and nitric oxide in modulation of uterine contractions in rat pregnancy (Okawa et al). 1999;181:649-55

- Tryptophan metabolism in pregnant sheep: increased fetal kynurenine production in response to maternal tryptophan loading (Nicholls et al). 1999;181:1452-60

- Umbilical amino acid uptake at increasing maternal amino acid concentrations: effect of a maternal amino acid infusate (Ronconi et al). 1999;181:477-83

**Pregnancy, prolonged**

- Receiver operating characteristic curves of ultrasonographic estimates of fetal weight for prediction of fetal growth restriction in prolonged pregnancies (O'Reilly-Green and Divon). 1999;181:1133-8

**Pregnancy, tubal**

- Different placentation patterns in viable compared with nonviable tubal pregnancy suggest a divergent clinical management (Kemp et al). 1999;181:615-20
- Treatment of tubal pregnancy in The Netherlands: an economic comparison of systemic methotrexate administration and laparoscopic salpingostomy (Mol et al). 1999;181:945-51

**Pregnancy complications**

- Alternative methods of diagnosing gestational diabetes mellitus (Atilano et al). 1999;181:1158-61
- Association of oligohydramnios in women with preterm premature rupture of membranes with an inflammatory response in fetal, amniotic, and maternal compartments (Yoon et al). 1999;181:784-8
- Cerebral arteriovenous malformation in pregnancy: presentation and neurologic, obstetric, and ethical significance (Finnerty et al). 1999;181:296-303
- The effects of first-trimester diabetes control on the incidence of macrosomia (Rey et al). 1999;181:202-6
- Effects of new criteria for type 2 diabetes on the rate of postpartum glucose intolerance in women with gestational diabetes (Conway and Langer). 1999;181:610-4
- Efficacy of methotrexate treatment in viable and nonviable cervical pregnancies (Kung and Chang). 1999;181:1438-44
- A flawed experiment, again (Kalter) (Letter); (Wiznitzer and Reece) (Reply). 1999;181:1039-40
- Gestational diabetes mellitus: metabolic and blood glucose parameters in singleton versus twin pregnancies (Schwartz et al). 1999;181:912-4
- Jelly beans as an alternative to a fifty-gram glucose beverage for gestational diabetes screening (Lamar et al). 1999;181:1154-7
- Maternal  $\gamma$ -cystathionase deficiency: absence of both teratogenic effects and pregnancy complications (Vargas et al). 1999;181:753-5
- Obstetric management in 219 cases of infants with hypoplastic left heart syndrome (Gilles et al) (Letter); (van de Ven) (Reply). 1999;181:226
- Perinatal outcome in grand and great-grand multiparity: effects of parity on obstetric risk factors (Babinszki et al). 1999;181:669-74
- Reversible peripartum liver failure: a new perspective on the diagnosis, treatment, and cause of acute fatty liver of pregnancy, based on 28 consecutive cases (Castro et al). 1999;181:389-95



Universal versus selective gestational diabetes screening: application of 1997 American Diabetes Association recommendations (Danilenko-Dixon et al). 1999;181:798-802

Urinary incontinence in pregnancy and the puerperium: a prospective study (Thorp et al). 1999;181:266-73

When is fasting really fasting? The influence of time of day, interval after a meal, and maternal body mass on maternal glycemia in gestational diabetes (Sacks et al). 1999;181:904-11

#### **Pregnancy complications, cardiovascular**

The effect of chronic nitric oxide synthase inhibition on blood pressure and heart rate in unrestrained pregnant rats as recorded by radiotelemetry (Buhimschi et al). 1999;181:159-64

HELLP (hemolysis, elevated liver enzymes, and low platelet count) syndrome: the benefit of corticosteroids (Tompkins and Thiagarajah). 1999;181:304-9

The location of chronic pregnancy hypertension on the vasoconstriction-volume spectrum: working hypothesis (Hon). 1999;181:137-42

Peripartum cardiomyopathy: summary of an international survey on peripartum cardiomyopathy (Veille and Zaccaro). 1999;181:315-9

The puzzling association between smoking and hypertension during pregnancy (Zhang et al). 1999;181:1407-13

They should have reviewed the obstetric literature (Goodlin) (Letter); (Hayslett) (Reply). 1999;181:230-1

Too little, too late (Sullivan et al) (Letter); (Sibai) (Reply). 1999;181:508-9

#### **Pregnancy complications, hematologic**

Intravenous infusion of magnesium sulfate and regional redistribution of fetal blood flow during maternal hemorrhage in late-gestation gravid ewes (Moon et al). 1999;181:1486-94

May-Hegglin anomaly and uncomplicated vaginal delivery: a report of 41 cases (Bizzaro). 1999;181:226-7 (Letter)

Normal expression of tissue factor, thrombomodulin, and annexin V in placentas from women with antiphospholipid syndrome (Lakasing et al). 1999;181:180-9

Preeclampsia and genetic risk factors for thrombosis: a case-control study (De Groot et al). 1999;181:975-80

Presentation of venous thromboembolism during pregnancy (Witlin et al). 1999;181:1118-21

Ruptured splenic artery aneurysm during pregnancy: a rare case with both maternal and fetal survival (Herbeck et al). 1999;181:763-4

Severe immune hemolytic anemia associated with prophylactic use of cefotetan in obstetric and gynecologic procedures (Garratty et al). 1999;181:103-4

Spontaneous resolution of disseminated intravascular coagulopathy in the second trimester (Marinoff et al). 1999;181:759-60

Syncytiotrophoblastic fragments in first-trimester decidual veins: evidence of placental perfusion by the maternal circulation early in pregnancy (Craven and Ward). 1999;181:455-9

Unusual cases of severe thrombotic episodes during the peripartum period (Ban et al) (Letter); (Grandone et al) (Reply). 1999;181:1040-1

#### **Pregnancy complications, infectious**

Antibiotic use in pregnancy and drug-resistant infant sepsis (Mercer et al). 1999;181:816-21

Change in antibiotic resistance of group B *Streptococcus*: impact on intrapartum management (Morales et al). 1999;181:310-4

Immunolocalization of inducible nitric oxide synthase in human amnion (Thomson et al) (Letter); (Hsu and Parkash) (Reply). 1999;181:770

Localized increase in nitric oxide production and the expression of nitric oxide synthase isoforms in rat uterus with experimental intrauterine infection (Fang et al). 1999;181:601-9

Prenatal diagnosis of congenital toxoplasmosis: a multicenter evaluation of different diagnostic parameters (Foulon et al). 1999;181:843-7

A randomized trial of conjugated group B streptococcal type Ia vaccine in a rabbit model of ascending infection (Davies et al). 1999;181:803-8

A role for the novel cytokine RANTES in pregnancy and parturition (Athayde et al). 1999;181:989-94

Strategies for prevention of infection with group B streptococci (Gibbs) (Letter); (Hafner) (Reply). 1999;181:767-8

Trichomoniasis in pregnant human immunodeficiency virus-infected and human immunodeficiency virus-uninfected Congolese women: prevalence, risk factors, and association with low birth weight (Sutton et al). 1999;181:656-62

The tumor necrosis factor  $\alpha$  and its soluble receptor profile in term and preterm parturition (Maymon et al). 1999;181:1142-8

The use of human immunodeficiency virus postexposure prophylaxis after successful artificial insemination (Bloch et al). 1999;181:760-1

Vaginitis, cervicitis, and cervical length in pregnancy (Boomgaard et al). 1999;181:964-7

#### **Pregnancy complications, neoplastic**

Adnexal masses in pregnancy: a review of 130 cases undergoing surgical management (Whitcar et al). 1999;181:19-24

Choroid plexus cysts: is biochemical testing a valuable adjunct to targeted ultrasonography? (Sullivan et al). 1999;181:260-5

The evolution of linitis plastica as a consequence of advanced gastric carcinoma in pregnancy (Tewari et al). 1999;181:757-8

Molar pregnancy and risk for cancer in women and their male partners (Olsen et al). 1999;181:630-4

#### **Pregnancy in adolescence**

Keynote address: taming the tempest of teen pregnancy (Foster). 1999;181:S28-31 (Symposium)

Teen pregnancy—problems and approaches: panel presentation (Foster et al). 1999;181:S32-6 (Symposium)

#### **Pregnancy in diabetes**

A flawed experiment, again (Kalter) (Letter); (Wiznitzer and Reece) (Reply). 1999;181:1039-40

#### **Pregnancy maintenance**

Cervical incompetence: elective, emergent, or urgent cerclage (Kurup and Goldkrand). 1999;181:240-6

Maintenance of oral nifedipine for preterm labor: a randomized clinical trial (Carr et al). 1999;181:822-7

Prediction of preterm delivery with transvaginal ultrasonography of the cervix in patients with high-risk pregnancies: does cerclage prevent prematurity? (Berghella et al). 1999;181:809-15

#### **Pregnancy outcome**

Aggressive perinatal care for high-order multiple gestations: does good perinatal outcome justify aggressive assisted reproductive techniques? (Angel et al). 1999;181:253-9

Efficacy of maintenance therapy after acute tocolysis: a meta-analysis (Sanchez-Ramos et al). 1999;181:484-90

**Pregnancy outcome—cont'd**

- Idiopathic polyhydramnios and perinatal outcome (Panting-Kemp et al). 1999;181:1079-82
- Multiple courses of antenatal corticosteroids and outcome of premature neonates (Banks et al). 1999;181:709-17
- Perinatal outcome and amniotic fluid index in the antepartum and intrapartum periods: a meta-analysis (Chauhan et al). 1999;181:1473-8
- Perinatal outcome in grand and great-grand multiparity: effects of parity on obstetric risk factors (Babinski et al). 1999;181:669-74
- Perinatal outcome of pregnancies after assisted reproduction: a case-control study (Dhont et al). 1999;181:688-95
- Pregnancy outcome after successful external cephalic version (Siddiqui et al). 1999;181:1092-5
- The Preterm Prediction Study: effect of gestational age and cause of preterm birth on subsequent obstetric outcome (Mercer et al). 1999;181:1216-21
- Rotational versus nonrotational forceps: maternal and neonatal outcomes (Feldman et al). 1999;181:1185-7
- Second-trimester maternal serum marker screening: maternal serum  $\alpha$ -fetoprotein,  $\beta$ -human chorionic gonadotropin, estriol, and their various combinations as predictors of pregnancy outcome (Yaron et al). 1999;181:968-74

**Pregnancy termination; see Abortion****Pregnancy trimester, first**

- Early pregnancy termination with intravaginally administered sodium chloride solution-moistened misoprostol tablets: historical comparison with mifepristone and oral misoprostol (Jain et al). 1999;181:1386-91
- The effects of first-trimester diabetes control on the incidence of macrosomia (Rey et al). 1999;181:202-6
- First-trimester fetal sex prediction by deoxyribonucleic acid analysis of maternal peripheral blood (Falcinelli et al). 1999;181:675-80
- Maternal arterial connections to the placental intervillous space during the first trimester of human pregnancy: the Boyd Collection revisited (Burton et al). 1999;181:718-24
- Syncytiotrophoblastic fragments in first-trimester decidual veins: evidence of placental perfusion by the maternal circulation early in pregnancy (Craven and Ward). 1999;181:455-9

**Pregnancy trimester, second**

- Elevated maternal urine level of  $\beta$ -core fragment of human chorionic gonadotropin versus serum triple test in the second-trimester detection of Down syndrome (Bahado-Singh et al). 1999;181:929-33
- Indication-specific accuracy of second-trimester genetic ultrasonography for the detection of trisomy 21 (Vintzileos et al). 1999;181:1045-8
- Predicting risk of preterm delivery by second-trimester measurement of maternal plasma corticotropin-releasing hormone and  $\alpha$ -fetoprotein concentrations (McLean et al). 1999;181:207-15
- Second-trimester maternal serum inhibin A concentration as an early marker for preeclampsia (Aquilina et al). 1999;181:131-6
- Second-trimester maternal serum marker screening: maternal serum  $\alpha$ -fetoprotein,  $\beta$ -human chorionic gonadotropin, estriol, and their various combinations as predictors of pregnancy outcome (Yaron et al). 1999;181:968-74
- Second-trimester uterine evacuation: a comparison of intra-amniotic (15S)-15-methyl-prostaglandin  $F_{2\alpha}$  and intravaginal misoprostol (Perry et al). 1999;181:1057-61

Spontaneous resolution of disseminated intravascular coagulopathy in the second trimester (Marinoff et al). 1999;181:759-60

Transperineal versus endovaginal ultrasonographic examination of the cervix in the midtrimester: a blinded comparison (Owen et al). 1999;181:780-3

**Pregnancy trimester, third**

- A comparative study of vascular responsiveness of myometrial and omental small resistance arteries in late-gestation sheep (Anwar et al). 1999;181:663-8
- Contractile activity, membrane potential, and cytoplasmic calcium concentration in human uterine smooth muscle in the third trimester of pregnancy and during labor (Parkington et al). 1999;181:1445-51
- Functional and molecular characterization of nitric oxide synthase in the endometrium and myometrium of pregnant sheep during the last third of gestation (Massmann et al). 1999;181:116-25
- Intravenous infusion of magnesium sulfate and regional redistribution of fetal blood flow during maternal hemorrhage in late-gestation gravid ewes (Moon et al). 1999;181:1486-94
- Premature rupture of membranes (Harkavy) (Letter); (Neerhof et al) (Reply). 1999;181:1274-5
- Tissue-specific ontogenic expression of prostaglandin H synthase 2 in the ovine myometrium, endometrium, and placenta during late gestation and at spontaneous term labor (Wu et al). 1999;181:1512-9

**Premature rupture of membranes; see Fetal membranes, premature rupture****Premenopause; see Menopause****Prenatal care**

- Aggressive perinatal care for high-order multiple gestations: does good perinatal outcome justify aggressive assisted reproductive techniques? (Angel et al). 1999;181:253-9
- The cost-effectiveness of voluntary intrapartum rapid human immunodeficiency virus testing for women without adequate prenatal care (Grobman and Garcia). 1999;181:1062-71
- Obstetric management in 219 cases of infants with hypoplastic left heart syndrome (Gilles et al) (Letter); (van de Ven) (Reply). 1999;181:226

**Prenatal diagnosis**

- Determinants of abdominal circumference (Bernstein and Catalano). 1999;181:1038 (Letter)
- Ductus venosus blood flow evaluation: its importance in the screening of chromosomal abnormalities (Montenegro et al) (Letter); (Borrell and Fortuny) (Reply). 1999;181:1042-3
- Elevated maternal urine level of  $\beta$ -core fragment of human chorionic gonadotropin versus serum triple test in the second-trimester detection of Down syndrome (Bahado-Singh et al). 1999;181:929-33
- First-trimester fetal sex prediction by deoxyribonucleic acid analysis of maternal peripheral blood (Falcinelli et al). 1999;181:675-80
- A five-year experience with fragile X screening of high-risk gravid women (Wenstrom et al). 1999;181:789-92
- A flawed experiment, again (Kalter) (Letter); (Wiznitzer and Reece) (Reply). 1999;181:1039-40
- Indication-specific accuracy of second-trimester genetic ultrasonography for the detection of trisomy 21 (Vintzileos et al). 1999;181:1045-8
- Macrosomia revisited: ponderal index and leptin delineate subtypes of fetal overgrowth (Lepercq et al). 1999;181:621-5
- The performance of routine ultrasonographic screening of pregnancies in the Eurofetus Study (Grandjean et al). 1999;181:446-54

- Predictive value of fetal scalp blood lactate concentration and pH as markers of neurologic disability (Kruger et al). 1999;181:1072-8
- Prenatal diagnosis of congenital toxoplasmosis: a multicenter evaluation of different diagnostic parameters (Foulon et al). 1999;181:843-7
- Prospective evaluation of free  $\beta$ -subunit of human chorionic gonadotropin and dimeric inhibin A for aneuploidy detection (Wenstrom et al). 1999;181:887-92
- Selective termination for structural, chromosomal, and mendelian anomalies: international experience (Evans et al). 1999;181:893-7
- Utility of minor ultrasonographic markers in the prediction of abnormal fetal karyotype at a prenatal diagnostic center (Sohl et al). 1999;181:898-903
- Preoperative care**  
A comparison of methods for preoperative discrimination between malignant and benign adnexal masses: the development of a new logistic regression model (Timmerman et al). 1999;181:57-65
- Presentation, labor; see Labor presentation**
- Presidential address**  
Presidential address. 1999;181:235-9, 1293-5
- Preterm delivery; see Labor, premature**
- Preterm infant, diseases; see Infant, premature, diseases**
- Preterm Prediction Study**  
The Preterm Prediction Study: effect of gestational age and cause of preterm birth on subsequent obstetric outcome (Mercer et al). 1999;181:1216-21
- Preterm premature rupture of membranes; see Fetal membranes, premature rupture**
- Prilocaine**  
A randomized, controlled trial of a eutectic mixture of local anesthetic cream (lidocaine and prilocaine) versus penile nerve block for pain relief during circumcision (Howard et al). 1999;181:1506-11
- Private practice**  
Spontaneous resolution rate of grade I cervical intraepithelial neoplasia in a private practice population (Falls). 1999;181:278-82
- Strength of indication for cesarean delivery: comparison of private physician versus resident service labor management (Peipert et al). 1999;181:435-9
- Progestogen**  
Progestogen therapy during pituitary desensitization with gonadotropin-releasing hormone agonist prevents functional ovarian cyst formation: a prospective, randomized study (Engmann et al). 1999;181:576-82
- Prolonged pregnancy; see Pregnancy, prolonged**
- Prophylaxis**  
Prophylactic cesarean delivery for fetal macrosomia diagnosed by means of ultrasonography—a Faustian bargain? (Rouse and Owen). 1999;181:332-8 (Clin. opinion)
- Severe immune hemolytic anemia associated with prophylactic use of cefotetan in obstetric and gynecologic procedures (Garratty et al). 1999;181:103-4
- The use of human immunodeficiency virus postexposure prophylaxis after successful artificial insemination (Bloch et al). 1999;181:760-1
- Prostaglandin-endoperoxide synthase**  
The nuclear transcription factor NF- $\kappa$ B mediates interleukin- $1\beta$ -induced expression of cyclooxygenase-2 in human myometrial cells (Belt et al). 1999;181:359-66
- Oxytocin activates mitogen-activated protein kinase and up-regulates cyclooxygenase-2 and prostaglandin production in human myometrial cells (Molnár et al). 1999;181:42-9
- Tissue-specific ontogenic expression of prostaglandin H synthase 2 in the ovine myometrium, endometrium, and placenta during late gestation and at spontaneous term labor (Wu et al). 1999;181:1512-9
- Prostaglandin F<sub>2 $\alpha$</sub> ; see Dinoprost**
- Prostaglandins**  
Induction of labor and cesarean section (Nicholson) (Letter); (Yeast) (Reply). 1999;181:1273-4
- Oxytocin activates mitogen-activated protein kinase and up-regulates cyclooxygenase-2 and prostaglandin production in human myometrial cells (Molnár et al). 1999;181:42-9
- Protein kinase**  
Oxytocin activates mitogen-activated protein kinase and up-regulates cyclooxygenase-2 and prostaglandin production in human myometrial cells (Molnár et al). 1999;181:42-9
- Proteins**  
Decreasing estrogen in nonpregnant women lowers uterine myometrial type I nitric oxide synthase protein expression (Weeks et al). 1999;181:25-30
- Expression of annexin II and associated p11 protein by differentiated choriocarcinoma Jar cells (Kaczan-Bourgeois et al). 1999;181:1273 (Letter)
- Prothrombin**  
Unusual cases of severe thrombotic episodes during the peripartum period (Ban et al) (Letter); (Grandone et al) (Reply). 1999;181:1040-1
- Proton magnetic resonance spectroscopy; see Nuclear magnetic resonance**
- Publications**  
A controlled analysis of authorship trends over two decades (Khan et al). 1999;181:503-7 (Education)
- Puerperal disorders**  
Puerperal septic pelvic thrombophlebitis: incidence and response to heparin therapy (Brown et al). 1999;181:143-8
- Puerperium**  
Effects of new criteria for type 2 diabetes on the rate of postpartum glucose intolerance in women with gestational diabetes (Conway and Langer). 1999;181:610-4
- Risk factors for urinary tract infection in the postpartum period (Schwartz et al). 1999;181:547-53
- Urinary incontinence in pregnancy and the puerperium: a prospective study (Thorp et al). 1999;181:266-73
- Pulse oximetry; see Oximetry**
- Q
- Quality of health care**  
Risk adjustment for complications of hysterectomy: limitations of routinely collected administrative data (Myers and Steege). 1999;181:567-75
- Questionnaires**  
Domestic abuse in pregnancy: a comparison of a self-completed domestic abuse questionnaire with a directed interview (Canterino et al). 1999;181:1049-51
- R
- Race**  
Racial patterns in the effects of tobacco use on fetal growth (Sprauve et al). 1999;181:S22-7 (Symposium)

**Radical hysterectomy; see Hysterectomy****Radioimmunodetection**

Monoclonal antibody MAb-170 for immunoscintigraphic detection of ovarian tumors (Alexander et al). 1999;181:513-7

**Radiotelemetry; see Telemetry****Raloxifene**

Selective estrogen receptor modulators (Ansbacher) (Letter); (Goldstein) (Reply). 1999;181:1036

**Receptors, estrogen**

Selective estrogen receptor modulators (Ansbacher) (Letter); (Goldstein) (Reply). 1999;181:1036

**Rectocele; see Hernia****Rectum**

The gonadotropin-releasing hormone agonist leuprolide acetate induces apoptosis and suppresses cell proliferative activity in rectovaginal endometriosis (Mizutani et al). 1999;181:750-1

**Rectum, injuries**

Injury of the rectum during vaginal surgery (Hoffman et al). 1999;181:274-7

**Rectum, surgery**

Outcome after rectovaginal fascia reattachment for rectocele repair (Kenton et al). 1999;181:1360-4

**Recurrence**

Angiogenesis in cervical intraepithelial neoplasia and the risk of recurrence (Tjalma et al). 1999;181:554-9

**Red blood cells; see Erythrocytes****Reperfusion**

Effect of ischemia-reperfusion on xanthine oxidase activity in fetal rat brain capillaries (Wakatsuki et al). 1999;181:731-5

**Reproduction**

Epidemiology of miscarriage and its relation to other reproductive events in Finland (Hemminki and Forsas). 1999;181:396-401

A review of the effects of hazardous waste on reproductive health (Johnson). 1999;181:S12-6 (Symposium)

Threatened pregnancy: environment and reproduction at risk—overview (Pattillo). 1999;181:S1 (Symposium)

**Reproduction techniques**

Aggressive perinatal care for high-order multiple gestations: does good perinatal outcome justify aggressive assisted reproductive techniques? (Angel et al). 1999;181:253-9

Management of long-standing unexplained infertility: a prospective study (Aboulghar et al). 1999;181:371-5

Perinatal outcome of pregnancies after assisted reproduction: a case-control study (Dhont et al). 1999;181:688-95

Reproductive physician-scientists for the twenty-first century (Longo et al). 1999;181:934-9 (Clin. opinion)

**Research**

A controlled analysis of authorship trends over two decades (Khan et al). 1999;181:503-7 (Education)

New opportunities for researchers in obstetrics and gynecology through programs supported by the National Institute of Child Health and Human Development (McNellis and Alexander). 1999;181:221-5 (Education)

Reproductive physician-scientists for the twenty-first century (Longo et al). 1999;181:934-9 (Clin. opinion)

**Residency; see Internship and residency****Resistance arteries; see Arteries****Respiratory distress syndrome**

Cesarean delivery of twins and neonatal respiratory disorders (Chasen et al). 1999;181:1052-6

**Retinal artery**

Sequentially combined hormone replacement therapy reduces impedance to flow within the uterine and central retinal arteries in healthy postmenopausal women (van Baal et al). 1999;181:1365-73

**Rh-Hr blood-group system**

Fetal cell recycling: diagnosis of gender and *RhD* genotype in the same fetal cell retrieved from maternal blood (Sekizawa et al). 1999;181:1237-42

**Rh isoimmunization**

Comment on reduced consumption of maternal red blood cells in alloimmunized fetus compared with that of volunteers is still questionable (Paul). 1999;181:229 (Letter)

**Risk factors**

The capture rate of at-risk term newborns for early-onset group B streptococcal sepsis determined by a risk factor approach (Towers et al). 1999;181:1243-9

Cesarean delivery risk adjustment for regional interhospital comparisons (Glantz). 1999;181:1425-31

An evaluation of risk factors for endometrial hyperplasia in premenopausal women with abnormal menstrual bleeding (Farquhar et al). 1999;181:525-9

Incidence of intrapartum maternal risk factors for identifying neonates at risk for early-onset group B streptococcal sepsis: a prospective study (Towers et al). 1999;181:1197-202

Perinatal outcome in grand and great-grand multiparity: effects of parity on obstetric risk factors (Babinszki et al). 1999;181:669-74

Prediction by maternal risk factors of neonatal intensive care admissions: evaluation of >59,000 women in national managed care programs (Ross et al). 1999;181:835-42

Preeclampsia and genetic risk factors for thrombosis: a case-control study (De Groot et al). 1999;181:975-80

Risk adjustment for complications of hysterectomy: limitations of routinely collected administrative data (Myers and Steege). 1999;181:567-75

Risk factors for urinary tract infection in the postpartum period (Schwartz et al). 1999;181:547-53

Trichomoniasis in pregnant human immunodeficiency virus-infected and human immunodeficiency virus-uninfected Congolese women: prevalence, risk factors, and association with low birth weight (Sutton et al). 1999;181:656-62

**RNA, messenger**

Effect of human seminal fluid on production of messenger ribonucleic acid for metalloproteinase 2 and metalloproteinase 9 in cervical epithelial carcinoma cells (Jeremias and Witkin). 1999;181:591-5

Localization and expression of oxytocin receptor and its messenger ribonucleic acid in peri-implantation phase human endometrium during control and clomiphene-treated cycles (Dawood et al). 1999;181:50-6

**ROC curve**

Receiver operating characteristic curves of ultrasonographic estimates of fetal weight for prediction of fetal growth restriction in prolonged pregnancies (O'Reilly-Green and Divon). 1999;181:1133-8



S

**Sacrum**

A persistent sinus tract from the vagina to the sacrum after treatment of mesh erosion by partial removal of a GORE-TEX Soft Tissue Patch (Unger). 1999;181:762-3

**Salpingostomy**

Laparoscopic lymphadenectomy and vaginal or laparoscopic hysterectomy with bilateral salpingo-oophorectomy for endometrial cancer: morbidity and survival (Magrina et al). 1999;181:376-81  
Treatment of tubal pregnancy in The Netherlands: an economic comparison of systemic methotrexate administration and laparoscopic salpingostomy (Mol et al). 1999;181:945-51

**Screening; see Mass screening**

**Second trimester of pregnancy; see Pregnancy trimester, second**

**Seizures**

Fetal rat brain damage caused by maternal seizure activity: prevention by magnesium sulfate (Hallak et al). 1999;181:828-34  
Fetal seizures causing increased heart rate variability during terminal fetal hypoxia (Westgate et al). 1999;181:765-6

**Selective termination of pregnancy; see Abortion**

**Semen**

Effect of human seminal fluid on production of messenger ribonucleic acid for metalloproteinase 2 and metalloproteinase 9 in cervical epithelial carcinoma cells (Jeremias and Witkin). 1999;181:591-5

**Sensitization; see Hypersensitivity**

**Septicemia**

Antibiotic use in pregnancy and drug-resistant infant sepsis (Mercer et al). 1999;181:816-21  
The capture rate of at-risk term newborns for early-onset group B streptococcal sepsis determined by a risk factor approach (Towers et al). 1999;181:1243-9  
Incidence of intrapartum maternal risk factors for identifying neonates at risk for early-onset group B streptococcal sepsis: a prospective study (Towers et al). 1999;181:1197-202  
Neonatal sepsis after betamethasone administration to patients with preterm premature rupture of membranes (Vermillion et al). 1999;181:320-7

**Serotonin**

Cannabinoid receptors and their role in the regulation of the serotonin transporter in human placenta (Kenney et al). 1999;181:491-7

**Severe combined immunodeficiency**

Transplantation of CD34 human cells into mice with severe combined immunodeficiency results in functional T cells 4 weeks after transplantation (Polcaro et al). 1999;181:80-6

**Sex**

Fetal cell recycling: diagnosis of gender and *RhD* genotype in the same fetal cell retrieved from maternal blood (Sekizawa et al). 1999;181:1237-42  
First-trimester fetal sex prediction by deoxyribonucleic acid analysis of maternal peripheral blood (Falcinelli et al). 1999;181:675-80

**Sexual partners**

Molar pregnancy and risk for cancer in women and their male partners (Olsen et al). 1999;181:630-4

**Sexually transmitted diseases**

Norplant implants and condom use (Polaneczky) (Letter); (Darney) (Reply). 1999;181:1270

**Shoulder**

Brachial plexus palsy: an in utero injury? (Allen) (Letter); (Gherman et al) (Reply). 1999;181:1271-2

**Sinus tract**

A persistent sinus tract from the vagina to the sacrum after treatment of mesh erosion by partial removal of a GORE-TEX Soft Tissue Patch (Unger). 1999;181:762-3

**Smoking**

Cigarette smoking during pregnancy and risk of preeclampsia: a systematic review (Conde-Agudelo et al). 1999;181:1026-35 (AJOG reviews)  
Nicotine patch use in pregnant smokers: nicotine and cotinine levels and fetal effects (Ogburn et al). 1999;181:736-43  
The puzzling association between smoking and hypertension during pregnancy (Zhang et al). 1999;181:1407-13  
Racial patterns in the effects of tobacco use on fetal growth (Sprauve et al). 1999;181:S22-7 (Symposium)  
Urinary cotinine concentration confirms the reduced risk of preeclampsia with tobacco exposure (Lain et al). 1999;181:1192-6

**Smooth muscle; see Muscle, smooth**

**Society for Maternal-Fetal Medicine**

Transactions of the nineteenth annual meeting of the Society for Maternal-Fetal Medicine. 1999;181:773-933  
Transactions of the nineteenth annual meeting of the Society for Maternal-Fetal Medicine—continued. 1999;181:1045-1191

**Society of Gynecologic Surgeons**

Transactions of the twenty-fifth scientific meeting of the Society of Gynecologic Surgeons. 1999;181:1293-364  
Use of the Pelvic Organ Prolapse staging system of the International Continence Society, American Urogynecologic Society, and Society of Gynecologic Surgeons in perimenopausal women (Bland et al). 1999;181:1324-8

**Sodium**

Changes in the pharmacokinetics of the low-molecular-weight heparin enoxaparin sodium during pregnancy (Casele et al). 1999;181:1113-7

**Sodium chloride**

Early pregnancy termination with intravaginally administered sodium chloride solution—moistened misoprostol tablets: historical comparison with mifepristone and oral misoprostol (Jain et al). 1999;181:1386-91

**Somatostatin**

Inhibition of human endometrial cancer cell growth in vitro and in vivo by somatostatin analog RC-160 (Mishima et al). 1999;181:583-90

**The South Atlantic Association of Obstetricians and Gynecologists**

Transactions of the sixty-first annual meeting of The South Atlantic Association of Obstetricians and Gynecologists. 1999;181:235-331

**Specialties, medical**

Managed care in obstetrics and gynecology: can our specialty survive? (Harrison). 1999;181:328-31

**Splenic artery**

Ruptured splenic artery aneurysm during pregnancy: a rare case with both maternal and fetal survival (Herbeck et al). 1999;181:763-4

**Spouse abuse**

Domestic abuse in pregnancy: a comparison of a self-completed domestic abuse questionnaire with a directed interview (Canterino et al). 1999;181:1049-51

Domestic violence and physical abuse of women: the Grady Memorial Hospital experience (Geary and Wingate). 1999;181:S17-21 (Symposium)

**Staging, neoplasm; see Neoplasm staging*****Streptococcus agalactiae***

The capture rate of at-risk term newborns for early-onset group B streptococcal sepsis determined by a risk factor approach (Towers et al). 1999;181:1243-9

Change in antibiotic resistance of group B *Streptococcus*: impact on intrapartum management (Morales et al). 1999;181:310-4

Incidence of intrapartum maternal risk factors for identifying neonates at risk for early-onset group B streptococcal sepsis: a prospective study (Towers et al). 1999;181:1197-202

A randomized trial of conjugated group B streptococcal type Ia vaccine in a rabbit model of ascending infection (Davies et al). 1999;181:803-8

Strategies for prevention of infection with group B streptococci (Gibbs) (Letter); (Hafner) (Reply). 1999;181:767-8

**Stress**

Work and pregnancy: the role of fatigue and the "second shift" on antenatal morbidity (Luke et al). 1999;181:1172-9

**Stress urinary incontinence; see Urinary incontinence, stress****Substance abuse**

Cannabinoid receptors and their role in the regulation of the serotonin transporter in human placenta (Kenney et al). 1999;181:491-7

**Surgery, fetal**

The Tulipan-Bruner trocar for uterine entry during fetal surgery (Bruner et al). 1999;181:1188-91

**Surgery, gynecologic**

Acute pancreatitis after gynecologic and obstetric surgery (Ramsey and Podratz). 1999;181:542-6

Five-year results after anti-incontinence operations (Tamussino et al). 1999;181:1347-52

Surgical management of recurrent stress urinary incontinence: a 12-year experience (Amaye-Obu and Drutz). 1999;181:1296-309

Surgical resection alone is effective treatment for ovarian immature teratoma in children and adolescents: a report of the Pediatric Oncology Group and the Children's Cancer Group (Cushing et al). 1999;181:353-8

**Surgical instruments**

Trocar implantation metastasis after laparoscopy in patients with advanced ovarian cancer: can the risk be reduced? (van Dam et al). 1999;181:536-41

The Tulipan-Bruner trocar for uterine entry during fetal surgery (Bruner et al). 1999;181:1188-91

**Surgical mesh**

A persistent sinus tract from the vagina to the sacrum after treatment of mesh erosion by partial removal of a GORE-TEX Soft Tissue Patch (Unger). 1999;181:762-3

**Survival**

Laparoscopic lymphadenectomy and vaginal or laparoscopic hysterectomy with bilateral salpingo-oophorectomy for endometrial cancer: morbidity and survival (Magrina et al). 1999;181:376-81

Ruptured splenic artery aneurysm during pregnancy: a rare case with both maternal and fetal survival (Herbeck et al). 1999;181:763-4

**Suture techniques**

Minilaparotomy hysterectomy—comments (Escamilla) (Letter); (Hoffman and Lynch) (Reply). 1999;181:1037-8

**Symposium**

Domestic violence and physical abuse of women: the Grady Memorial Hospital experience (Geary and Wingate). 1999;181:S17-21

Keynote address: taming the tempest of teen pregnancy (Foster). 1999;181:S28-31

Neurobehavioral effects of low-level lead exposure in human neonates (Emory et al). 1999;181:S2-11

Racial patterns in the effects of tobacco use on fetal growth (Sprauve et al). 1999;181:S22-7

A review of the effects of hazardous waste on reproductive health (Johnson). 1999;181:S12-6

Teen pregnancy—problems and approaches: panel presentation (Foster et al). 1999;181:S32-6

Threatened pregnancy: environment and reproduction at risk—overview (Patillo). 1999;181:S1

**Syncytiotrophoblast; see Trophoblast****T****T-lymphocytes**

Transplantation of CD34 human cells into mice with severe combined immunodeficiency results in functional T cells 4 weeks after transplantation (Polcaro et al). 1999;181:80-6

**Tablets**

Early pregnancy termination with intravaginally administered sodium chloride solution—moistened misoprostol tablets: historical comparison with mifepristone and oral misoprostol (Jain et al). 1999;181:1386-91

**Tamoxifen**

Selective estrogen receptor modulators (Ansbacher) (Letter); (Goldstein) (Reply). 1999;181:1036

**Teen pregnancy; see Pregnancy in adolescence****Telemetry**

The effect of chronic nitric oxide synthase inhibition on blood pressure and heart rate in unrestrained pregnant rats as recorded by radiotelemetry (Buhimschi et al). 1999;181:159-64

**Temperature**

Role of adenosine in regulation of brain temperature in fetal sheep (Suzuki and Power). 1999;181:681-7

**Teratogens**

Maternal  $\gamma$ -cystathionase deficiency: absence of both teratogenic effects and pregnancy complications (Vargas et al). 1999;181:753-5

**Teratoma**

Surgical resection alone is effective treatment for ovarian immature teratoma in children and adolescents: a report of the Pediatric Oncology Group and the Children's Cancer Group (Cushing et al). 1999;181:353-8

**Theophylline**

Role of adenosine in regulation of brain temperature in fetal sheep (Suzuki and Power). 1999;181:681-7

**Thermoregulation; see Body temperature regulation****Third trimester of pregnancy; see Pregnancy trimester, third**

### Thromboembolism

Presentation of venous thromboembolism during pregnancy (Witlin et al). 1999;181:1118-21

Unusual cases of severe thrombotic episodes during the peripartum period (Ban et al) (Letter); (Grandone et al) (Reply). 1999;181:1040-1

### Thrombomodulin

Normal expression of tissue factor, thrombomodulin, and annexin V in placentas from women with antiphospholipid syndrome (Lakasing et al). 1999;181:180-9

### Thrombophlebitis

Puerperal septic pelvic thrombophlebitis: incidence and response to heparin therapy (Brown et al). 1999;181:143-8

### Thromboplastin

Normal expression of tissue factor, thrombomodulin, and annexin V in placentas from women with antiphospholipid syndrome (Lakasing et al). 1999;181:180-9

### Thrombosis

Preeclampsia and genetic risk factors for thrombosis: a case-control study (De Groot et al). 1999;181:975-80

### Thymine

Polymorphism for mutation of cytosine to thymine at location 677 in the methylenetetrahydrofolate reductase gene is associated with recurrent early fetal loss (Lissak et al). 1999;181:126-30

### Time factors

When is fasting really fasting? The influence of time of day, interval after a meal, and maternal body mass on maternal glycemia in gestational diabetes (Sacks et al). 1999;181:904-11

### Tobacco

Racial patterns in the effects of tobacco use on fetal growth (Sprauve et al). 1999;181:S22-7 (Symposium)

Urinary cotinine concentration confirms the reduced risk of preeclampsia with tobacco exposure (Lain et al). 1999;181:1192-6

### Tocolysis

Efficacy of maintenance therapy after acute tocolysis: a meta-analysis (Sanchez-Ramos et al). 1999;181:484-90

Human chorionic gonadotropin exhibits potent inhibition of preterm delivery in a small animal model (Kurtzman et al). 1999;181:853-7

Recent indomethacin tocolysis is not associated with neonatal complications in preterm infants (Vermillion and Newman). 1999;181:1083-6

### Toxoplasmosis, congenital

Prenatal diagnosis of congenital toxoplasmosis: a multicenter evaluation of different diagnostic parameters (Foulon et al). 1999;181:843-7

### Trachelectomy

Pregnancy after radical vaginal trachelectomy (Jelsema) (Letter); (Roy and Plante) (Reply). 1999;181:229-30

### Transactions

Transactions of the nineteenth annual meeting of the Society for Maternal-Fetal Medicine. 1999;181:773-933

Transactions of the nineteenth annual meeting of the Society for Maternal-Fetal Medicine—continued. 1999;181:1045-191

Transactions of the twenty-fifth scientific meeting of the Society of Gynecologic Surgeons. 1999;181:1293-364

Transactions of the sixty-first annual meeting of The South Atlantic Association of Obstetricians and Gynecologists. 1999;181:235-331

### Transcription factor NF- $\kappa$ B; see NF- $\kappa$ B

### Transdermal administration; see Administration, cutaneous

### Transfection

Ultrasonographically guided direct gene transfer in utero: successful induction of  $\beta$ -galactosidase in a rabbit model (Baumgartner et al). 1999;181:848-52

### Transplantation, homologous

Functional failure of fascia lata allografts (FitzGerald et al). 1999;181:1339-46

### Trauma; see Wounds and injuries

### Triage

Assessing gains in diagnostic utility when human papillomavirus testing is used as an adjunct to Papanicolaou smear in the triage of women with cervical cytologic abnormalities (Franco and Ferenczy). 1999;181:382-6

### Trial of labor

Rate of uterine rupture during a trial of labor in women with one or two prior cesarean deliveries (Caughey et al). 1999;181:872-6

### Trichomonas vaginalis

Trichomoniasis in pregnant human immunodeficiency virus-infected and human immunodeficiency virus-uninfected Congolese women: prevalence, risk factors, and association with low birth weight (Sutton et al). 1999;181:656-62

### Triplets

Comprehensive fetal ultrasonographic growth measurements in triplet gestations (Rodis et al). 1999;181:1128-32

Ultrasonographic diagnosis of thoracopagus conjoined twins in a monoamniotic triplet gestation (Wax et al). 1999;181:755-6

### Trisomy 21; see Down syndrome

### Trocar; see Surgical instruments

### Trophoblast

Syncytiotrophoblastic fragments in first-trimester decidual veins: evidence of placental perfusion by the maternal circulation early in pregnancy (Craven and Ward). 1999;181:455-9

Unique epitopes of lactoferrin expressed in human cytotrophoblasts involved in immunologic reactions (Thaler et al). 1999;181:460-7

### Troponin

Cardiac troponin T levels in umbilical cord blood (Shelton et al). 1999;181:1259-62

### Tryptophan

Tryptophan metabolism in pregnant sheep: increased fetal kynurenine production in response to maternal tryptophan loading (Nicholls et al). 1999;181:1452-60

### Tubal pregnancy; see Pregnancy, tubal

### Tulipan-Bruner trocar; see Surgical instruments

### Tumor, ovarian; see Ovarian neoplasms

### Tumor necrosis factor

Expression of the placental cytokines tumor necrosis factor  $\alpha$ , interleukin 1 $\beta$ , and interleukin 10 is increased in preeclampsia (Rinehart et al). 1999;181:915-20

The tumor necrosis factor  $\alpha$  and its soluble receptor profile in term and preterm parturition (Maymon et al). 1999;181:1142-8

### Twins

Cesarean delivery of twins and neonatal respiratory disorders (Chasen et al). 1999;181:1052-6

Excess of male fetuses in connection with twin pregnancies resulting in very preterm birth (Jakobovits) (Letter); (Cooperstock) (Reply). 1999;181:1580

Gestational diabetes mellitus: metabolic and blood glucose parameters in singleton versus twin pregnancies (Schwartz et al). 1999;181:912-4

**Twins—cont'd**

Maturation of cortisol responses to adrenocorticotrophic hormone in twin fetal sheep in vivo (Block et al). 1999;181:498-502

Positive predictive value of suspected growth aberration in twin gestations (Grobman and Parilla). 1999;181:1139-41

Ultrasonographic diagnosis of thoracopagus conjoined twins in a monoamniotic triplet gestation (Wax et al). 1999;181:755-6

**Type 2 diabetes; see Diabetes mellitus, non-insulin-dependent****U****Ultrasonography**

A comparison of methods for preoperative discrimination between malignant and benign adnexal masses: the development of a new logistic regression model (Timmerman et al). 1999;181:57-65

**Ultrasonography, prenatal**

Acute cerebral redistribution in response to invasive procedures in the human fetus (Teixeira et al). 1999;181:1018-25

Antenatal corticosteroids and cranial ultrasonographic abnormalities (Leviton et al). 1999;181:1007-17

Cervical length and dilatation of the internal cervical os detected by vaginal ultrasonography as markers for preterm delivery: a systematic review (Leitich et al). 1999;181:1465-72

Choroid plexus cysts: is biochemical testing a valuable adjunct to targeted ultrasonography? (Sullivan et al). 1999;181:260-5

Comprehensive fetal ultrasonographic growth measurements in triplet gestations (Rodis et al). 1999;181:1128-32

Determinants of abdominal circumference (Bernstein and Catalano). 1999;181:1038 (Letter)

Different placentation patterns in viable compared with nonviable tubal pregnancy suggest a divergent clinical management (Kemp et al). 1999;181:615-20

Doppler ultrasonographic evidence of intrapartum brain-sparing effect in fetuses with low oxygen saturation according to pulse oximetry (Sütterlin et al). 1999;181:216-20

Images, imagination and ideas: a perspective on the impact of ultrasonography on the practice of obstetrics and gynecology (Wade). 1999;181:235-9 (Pres. address)

Indication-specific accuracy of second-trimester genetic ultrasonography for the detection of trisomy 21 (Vintzileos et al). 1999;181:1045-8

Labor and delivery characteristics and risks of cranial ultrasonographic abnormalities among very-low-birth-weight infants (Hansen et al). 1999;181:997-1006

Neonatal nucleated red blood cell counts in growth-restricted fetuses: relationship to arterial and venous Doppler studies (Baschat et al). 1999;181:190-5

The performance of routine ultrasonographic screening of pregnancies in the Eurofetus Study (Grandjean et al). 1999;181:446-54

Positive predictive value of suspected growth aberration in twin gestations (Grobman and Parilla). 1999;181:1139-41

Prediction of preterm delivery with transvaginal ultrasonography of the cervix in patients with high-risk pregnancies: does cerclage prevent prematurity? (Berghele et al). 1999;181:809-15

Prophylactic cesarean delivery for fetal macrosomia diagnosed by means of ultrasonography—a Faustian bargain? (Rouse and Owen). 1999;181:332-8 (Clin. opinion)

The relationship between placental histology and cervical ultrasonography in women at risk for pregnancy loss and spontaneous preterm birth (Guzman et al). 1999;181:793-7

Transperineal versus endovaginal ultrasonographic examination of the cervix in the midtrimester: a blinded comparison (Owen et al). 1999;181:780-3

Ultrasonographic diagnosis of thoracopagus conjoined twins in a monoamniotic triplet gestation (Wax et al). 1999;181:755-6

Ultrasonographically guided direct gene transfer in utero: successful induction of  $\beta$ -galactosidase in a rabbit model (Baumgartner et al). 1999;181:848-52

Umbilical vein blood flow determination in the ovine fetus: comparison of Doppler ultrasonographic and steady-state diffusion techniques (Galan et al). 1999;181:149-53

Use of various ultrasonographic criteria to evaluate the efficacy of mifepristone and misoprostol for medical abortion (Creinin and Spitz). 1999;181:1419-24

Utility of minor ultrasonographic markers in the prediction of abnormal fetal karyotype at a prenatal diagnostic center (Sohl et al). 1999;181:898-903

**Umbilical arteries**

Perinatal outcome and amniotic fluid index in the antepartum and intrapartum periods: a meta-analysis (Chauhan et al). 1999;181:1473-8

**Umbilical blood; see Fetal blood****Umbilical cord**

Intermittent umbilical cord occlusion in the ovine fetus near term: effects on behavioral state activity (Kawagoe et al). 1999;181:1520-9

Umbilical amino acid uptake at increasing maternal amino acid concentrations: effect of a maternal amino acid infusate (Ronconi et al). 1999;181:477-83

**Umbilical veins**

Oxygen-dependent regulation of membrane potential and vascular tone of human umbilical vein (Mildenberger et al). 1999;181:696-700

Relationship of umbilical vein blood flow to growth parameters in the human fetus (Barbera et al). 1999;181:174-9

Umbilical vein blood flow determination in the ovine fetus: comparison of Doppler ultrasonographic and steady-state diffusion techniques (Galan et al). 1999;181:149-53

**Urethra, surgery**

Marshall-Marchetti-Krantz urethropexy and Burch colposuspension for stress urinary incontinence in women with low pressure and hypermobility of the urethra: early results of a prospective randomized clinical trial (Quadri et al). 1999;181:12-8

**Urinary incontinence**

Functional outcomes and satisfaction after abdominal hysterectomy (Weber et al). 1999;181:530-5

Observed patient compliance with a structured outpatient bladder retraining program (Visco et al). 1999;181:1392-4

Urinary incontinence in pregnancy and the puerperium: a prospective study (Thorp et al). 1999;181:266-73

**Urinary incontinence, stress**

Collagen cross-linking in patients with urinary incontinence (Visco and Yamauchi) (Letter); (Rechberger et al) (Reply). 1999;181:509-10



Five-year results after anti-incontinence operations (Tamussino et al). 1999;181:1347-52

Lower urinary tract injury during the Burch procedure: is there a role for routine cystoscopy? (Stevenson et al). 1999;181:35-8

Marshall-Marchetti-Krantz urethropexy and Burch colposuspension for stress urinary incontinence in women with low pressure and hypermobility of the urethra: early results of a prospective randomized clinical trial (Quadri et al). 1999;181:12-8

Surgical management of recurrent stress urinary incontinence: a 12-year experience (Amaye-Obu and Drutz). 1999;181:1296-309

#### Urinary tract, injuries

Lower urinary tract injury during the Burch procedure: is there a role for routine cystoscopy? (Stevenson et al). 1999;181:35-8

#### Urinary tract infections

Risk factors for urinary tract infection in the postpartum period (Schwartz et al). 1999;181:547-53

#### Urine

Elevated maternal urine level of  $\beta$ -core fragment of human chorionic gonadotropin versus serum triple test in the second-trimester detection of Down syndrome (Bahado-Singh et al). 1999;181:929-33

Matrix metalloproteinase 9 activity in urine of patients at risk for premature delivery (Agrez et al). 1999;181:387-8

Urinary cotinine concentration confirms the reduced risk of preeclampsia with tobacco exposure (Lain et al). 1999;181:1192-6

#### Uterine arteries

Maternal arterial connections to the placental intervillous space during the first trimester of human pregnancy: the Boyd Collection revisited (Burton et al). 1999;181:718-24

Sequentially combined hormone replacement therapy reduces impedance to flow within the uterine and central retinal arteries in healthy postmenopausal women (van Baal et al). 1999;181:1365-73

#### Uterine contraction

Contractile activity, membrane potential, and cytoplasmic calcium concentration in human uterine smooth muscle in the third trimester of pregnancy and during labor (Parkington et al). 1999;181:1445-51

Effect of nitric oxide and carbon monoxide on uterine contractility during human and rat pregnancy (Longo et al). 1999;181:981-8

Effect of placental tissue on inhibition of uterine contraction by nitric oxide donors (Syal et al). 1999;181:415-8

Intracellular calcium stores and agonist-induced contractions in isolated human myometrium (Luckas et al). 1999;181:468-76

Roles of potassium channels and nitric oxide in modulation of uterine contractions in rat pregnancy (Okawa et al). 1999;181:649-55

#### Uterine evacuation; see Abortion

#### Uterine prolapse

Accuracy of clinical assessment of paravaginal defects in women with anterior vaginal wall prolapse (Barber et al). 1999;181:87-90

Pelvic organ prolapse: anterior, superior, and posterior vaginal segment defects (Shull). 1999;181:6-11 (Clin. opinion)

Use of the Pelvic Organ Prolapse staging system of the International Continence Society, American Urogynecologic

Society, and Society of Gynecologic Surgeons in perimenopausal women (Bland et al). 1999;181:1324-8

#### Uterine rupture

Incidence of uterine rupture among women with müllerian duct anomalies who attempt vaginal birth after cesarean delivery (Ravasia et al). 1999;181:877-81

Rate of uterine rupture during a trial of labor in women with one or two prior cesarean deliveries (Caughey et al). 1999;181:872-6

Uterine rupture during induced or augmented labor in gravid women with one prior cesarean delivery (Zeloff et al). 1999;181:882-6

#### Uterus

Collagenolysis in the lower uterine segment during parturition at term: correlations with stage of cervical dilatation and duration of labor (Winkler et al). 1999;181:153-8

Decreasing estrogen in nonpregnant women lowers uterine myometrial type I nitric oxide synthase protein expression (Weeks et al). 1999;181:25-30

Localized increase in nitric oxide production and the expression of nitric oxide synthase isoforms in rat uterus with experimental intrauterine infection (Fang et al). 1999;181:601-9

The Tulipan-Bruner trocar for uterine entry during fetal surgery (Bruner et al). 1999;181:1188-91

#### V

#### Vaccines

A randomized trial of conjugated group B streptococcal type Ia vaccine in a rabbit model of ascending infection (Davies et al). 1999;181:803-8

#### Vagina

Accuracy of clinical assessment of paravaginal defects in women with anterior vaginal wall prolapse (Barber et al). 1999;181:87-90

Cervical length and dilatation of the internal cervical os detected by vaginal ultrasonography as markers for preterm delivery: a systematic review (Leitich et al). 1999;181:1465-72

Enriching research culture in residency (Al-Hendy) (Letter); (DeLancey) (Reply). 1999;181:1271

Estradiol-delivering vaginal rings for hormone replacement therapy (Nash et al). 1999;181:1400-6

The gonadotropin-releasing hormone agonist leuprolide acetate induces apoptosis and suppresses cell proliferative activity in rectovaginal endometriosis (Mizutani et al). 1999;181:750-1

Pelvic organ prolapse: anterior, superior, and posterior vaginal segment defects (Shull). 1999;181:6-11 (Clin. opinion)

Transperineal versus endovaginal ultrasonographic examination of the cervix in the midtrimester: a blinded comparison (Owen et al). 1999;181:780-3

#### Vagina, surgery

The anatomic and functional outcomes of defect-specific rectocele repairs (Porter et al). 1999;181:1353-9

Five-year results after anti-incontinence operations (Tamussino et al). 1999;181:1347-52

Injury of the rectum during vaginal surgery (Hoffman et al). 1999;181:274-7

Loop electrosurgical excision procedure for partial upper vaginectomy (Fanning et al). 1999;181:1382-5

**Vagina, surgery—cont'd**

- Lower urinary tract injury during the Burch procedure: is there a role for routine cystoscopy? (Stevenson et al). 1999;181:35-8
- Marshall-Marchetti-Krantz urethropexy and Burch colposuspension for stress urinary incontinence in women with low pressure and hypermobility of the urethra: early results of a prospective randomized clinical trial (Quadri et al). 1999;181:12-8
- Outcome after rectovaginal fascia reattachment for rectocele repair (Kenton et al). 1999;181:1360-4
- A persistent sinus tract from the vagina to the sacrum after treatment of mesh erosion by partial removal of a GORE-TEX Soft Tissue Patch (Unger). 1999;181:762-3
- Pregnancy after radical vaginal trachelectomy (Jelsema) (Letter); (Roy and Plante) (Reply). 1999;181:229-30

**Vaginal birth after cesarean**

- Incidence of uterine rupture among women with müllerian duct anomalies who attempt vaginal birth after cesarean delivery (Ravasia et al). 1999;181:877-81

**Vaginal delivery; see Delivery****Vaginal hysterectomy; see Hysterectomy, vaginal****Vaginal neoplasms**

- Diethylstilbestrol and adenocarcinoma of the vagina (Herbst). 1999;181:1576-8 (Classic pages)
- Loop electrosurgical excision procedure for partial upper vaginectomy (Fanning et al). 1999;181:1382-5

**Vaginal prolapse; see Uterine prolapse****Vaginal rings; see Pessaries****Vaginal smears**

- Assessing gains in diagnostic utility when human papillomavirus testing is used as an adjunct to Papanicolaou smear in the triage of women with cervical cytologic abnormalities (Franco and Ferenczy). 1999;181:382-6
- The clinical significance of the poor correlation of cervical dysplasia and cervical malignancy with referral cytologic results (Lonky et al). 1999;181:560-6

**Vaginitis**

- The infrequent use of office-based diagnostic tests for vaginitis (Wiesenfeld and Macio). 1999;181:39-41
- Vaginitis, cervicitis, and cervical length in pregnancy (Boomgaard et al). 1999;181:964-7

**Vaginosis, bacterial**

- Is the lack of concurrence of bacterial vaginosis and vaginal candidosis explained by the presence of bacterial amines? (Rodrigues et al). 1999;181:367-70

**Vascular tone; see Blood vessels****Vasoconstriction**

- The location of chronic pregnancy hypertension on the vasoconstriction-volume spectrum: working hypothesis (Hon). 1999;181:137-42

**Vasomotor system**

- Efficacy and safety of low, standard, and high dosages of an estro-

diol transdermal system (Eslim) compared with placebo on vasomotor symptoms in highly symptomatic menopausal patients (Utian et al). 1999;181:71-9

**Veins**

- Syncytiotrophoblastic fragments in first-trimester decidual veins: evidence of placental perfusion by the maternal circulation early in pregnancy (Craven and Ward). 1999;181:455-9

**Version, fetal**

- Effect of fetal presentation on the amniotic fluid index (Brost et al). 1999;181:1222-4
- Pregnancy outcome after successful external cephalic version (Siddiqui et al). 1999;181:1092-5

**Very low birth weight infant; see Infant, low birth weight****Vestibular diseases**

- Assessment of response to treatment in vulvar vestibulitis syndrome by means of the vulvar algesiometer (Eva et al). 1999;181:99-102

**Violence**

- Domestic abuse in pregnancy: a comparison of a self-completed domestic abuse questionnaire with a directed interview (Canterino et al). 1999;181:1049-51
- Domestic violence and physical abuse of women: the Grady Memorial Hospital experience (Geary and Wingate). 1999;181:S17-21 (Symposium)
- Teen pregnancy—problems and approaches: panel presentation (Foster et al). 1999;181:S32-6 (Symposium)

**Vulvar diseases**

- Assessment of response to treatment in vulvar vestibulitis syndrome by means of the vulvar algesiometer (Eva et al). 1999;181:99-102

**Vulvar neoplasms**

- Interstitial brachytherapy in the treatment of advanced and recurrent vulvar cancer (Tewari et al). 1999;181:91-8

## W

**Water**

- They should have reviewed the obstetric literature (Goodlin) (Letter); (Hayslett) (Reply). 1999;181:230-1

**Work**

- Work and pregnancy: the role of fatigue and the "second shift" on antenatal morbidity (Luke et al). 1999;181:1172-9

**Wounds and injuries**

- Episiotomy, operative vaginal delivery, and significant perineal trauma in nulliparous women (Robinson et al). 1999;181:1180-4

## X

**X chromosome**

- A five-year experience with fragile X screening of high-risk gravid women (Wenstrom et al). 1999;181:789-92

**Xanthine oxidase**

- Effect of ischemia-reperfusion on xanthine oxidase activity in fetal rat brain capillaries (Wakatsuki et al). 1999;181:731-5

